

=> d his

(FILE 'HOME' ENTERED AT 13:51:26 ON 17 DEC 2003)
SET COST OFF

FILE 'REGISTRY' ENTERED AT 13:51:48 ON 17 DEC 2003
E C20H22CL2O4/MF

L1 3 S E3 AND 46.150.18/RID AND OC4-C6/ES
SEL RN
L2 0 S E1-E3/CRN

FILE 'HCAOLD' ENTERED AT 13:53:06 ON 17 DEC 2003
L3 0 S L1

FILE 'USPATFULL, USPAT2' ENTERED AT 13:53:07 ON 17 DEC 2003
L4 0 S L1

FILE 'HCAPLUS' ENTERED AT 13:53:10 ON 17 DEC 2003

L5 1 S L1
L6 1 S (WO2000-EP9323 OR DE99-19948129)/AP, PRN
E FISCHER R/AU
L7 1150 S E3-E24
E FISCHER REINER/AU
L8 154 S E3
E ERDELEN C/AU
L9 303 S E3, E4, E7-E11
E BAYER/PA, CS
L10 43841 S E3, E4
L11 2548 S BAYER?/PA, CS NOT L10
L12 2 S L1, L6 AND L7-L11
SEL RN

FILE 'REGISTRY' ENTERED AT 13:55:50 ON 17 DEC 2003

L13 307 S E1-E307
L14 304 S L13 NOT L1
L15 1 S L14 AND NC5/ES AND NCNC2/ES AND 2/NR
L16 1 S L14 AND NCSC2/ES AND NCNCOC/ES AND 2/NR
L17 1 S L14 AND NCSC2/ES AND NC5/ES AND 2/NR
L18 1 S L14 AND NCSC2/ES AND NCNCNC/ES AND 2/NR
L19 2 S L14 AND NC5/ES AND 1/NR AND 4/N AND 1/CL
E C10H11CLN4/MF
L20 8 S E3 AND NC5/ES AND 1/NR
L21 7 S L20 AND 6 CHLORO
L22 6 S L21 AND 3 PYRIDINYL METHYL
L23 4 S L22 AND ETHANIMIDAMIDE
L24 3 S L23 NOT T/ELS
L25 2 S L24 NOT 162551-23-7
L26 1 S L14 AND OC4/ES AND 1/NR AND 4/N
L27 1 S L14 AND NCSC2/ES AND 1/NR AND 5/N AND 1/CL
L28 9 S L15-L19, L25-L27
SEL RN
L29 505 S E1-E9/CRN
L30 4 S L29 NOT MXS/CI
L31 1 S L30 NOT C3/ES
L32 10 S L28, L31

FILE 'HCAPLUS' ENTERED AT 14:05:23 ON 17 DEC 2003

L33 1592 S L32
L34 6273 S DINOTEFURAN OR MTI446 OR MTI 446 OR ACETAMIPRID# OR MOSPILAN#
L35 5372 S ADVANTAGE FLEA ADULTICIDE OR BAY NTN() (33893 OR 33 893) OR CO
L36 135 S AKD 1022 OR AKD1022 OR CGA322704 OR CGA() (322704 OR 322 704)
L37 45 S ADMIRE
L38 11747 S L33-L37

L39 0 S L5 AND L38
L40 1 S L6 AND L38

FILE 'REGISTRY' ENTERED AT 14:10:27 ON 17 DEC 2003

L41 1 S 148477-71-8
L42 1 S 332121-89-8
L43 1 S 332154-06-0
L44 STR
L45 50 S L44
L46 1484 S L44 FUL
SAV L46 LEVY089/A

FILE 'HCAPLUS' ENTERED AT 14:13:07 ON 17 DEC 2003

L47 403 S L46
L48 8 S L47 AND L38
L49 1 S L48 AND (PD<=19991007 OR PRD<=19991007 OR AD<=19991007)
L50 1 S L48 AND (PD<=20000925 OR PRD<=20000925 OR AD<=20000925)
L51 2 S L49,L50,L12
L52 7 S L48 NOT L51
L53 16 S SPIRODICLOFEN#
L54 20 S L41
L55 4 S L53,L54 AND L38
L56 1 S L55 AND ACETYLCHOLINE RECEPTOR
L57 2 S L51,L56 AND L5-L12,L33-L40,L47-L56
L58 259 S L7-L11 AND L5,L6,L38,L53,L54,L47
L59 6 S BAJ2740 OR BAJ 2740
L60 0 S L59 AND L38
L61 210 S L58 AND L38
L62 3 S L61 AND L47,L53,L54,L5
L63 4 S L57,L62
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 14:23:48 ON 17 DEC 2003

L64 297 S E10-E306
L65 3 S L64 AND L1
L66 8 S L64 AND L32
L67 2 S L32 NOT L66
L68 10 S L66,L67
L69 1 S L64 AND L41
L70 285 S L64 AND L46 NOT L65-L69
L71 282 S L70 AND 1/NC
L72 3 S L70 NOT L71
L73 2 S L72 AND MXS/CI

FILE 'HCAPLUS' ENTERED AT 14:26:47 ON 17 DEC 2003

L74 1 S L73
L75 4 S L63,L74

=> fil reg

FILE 'REGISTRY' ENTERED AT 14:27:10 ON 17 DEC 2003
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 16 DEC 2003 HIGHEST RN 627482-61-5
DICTIONARY FILE UPDATES: 16 DEC 2003 HIGHEST RN 627482-61-5

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when

=> => d his 176-

(FILE 'USPATFULL, USPAT2' ENTERED AT 14:30:11 ON 17 DEC 2003)

L76 0 S L1
 L77 93 S L46
 L78 2 S L41
 L79 0 S L42,L43
 L80 9 S L53 OR L59
 L81 102 S L76-L80
 L82 260 S L32
 L83 33351 S L34 OR L35 OR L36 OR L37
 L84 54 S L81 AND L82,L83
 L85 43 S L84 AND (PD<=19991007 OR PRD<=19991007)
 L86 43 S L85 AND (SYNERG? OR MIX? OR BLEND? OR COMBIN? OR
 L87 41 S L86 AND SYNERG?
 L88 1 S L77 AND L82
 L89 0 S L85 AND L82
 L90 43 S L85-L87 NOT L88

=> fil uspatall

FILE 'USPATFULL' ENTERED AT 14:37:58 ON 17 DEC 2003
 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:37:58 ON 17 DEC 2003
 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> d 188 bib abs hitrn hitstr

L88 ANSWER 1 OF 1 USPATFULL on STN
 AN 2003:282318 USPATFULL
 TI Fibrous pest control
 IN Hoffmann, Michael P., Ithaca, NY, UNITED STATES
 Gardner, Jeffrey, Hector, NY, UNITED STATES
 Curtis, Paul D., Ithaca, NY, UNITED STATES
 PI US 2003198659 A1 20031023
 AI US 2002-281088 A1 20021025 (10)
 PRAI US 2001-345349P 20011025 (60)
 DT Utility
 FS APPLICATION
 LREP SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A., P.O. BOX 2938, MINN.
 MN, 55402
 CLMN Number of Claims: 64
 ECL Exemplary Claim: 1
 DRWN 4 Drawing Page(s)
 LN.CNT 3638

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides fibrous pest deterrents that combine the useful properties of a physical barrier in the form of a non-woven fibrous matrix with a chemical deterrent such as a pesticide, behavior-modifying compound or a pest repellent. The use of suchorous pest deterrents protects plants, animals and structures in both agricultural and non-agricultural settings from damage inflicted by pests. Unlike traditional pesticides, the behavior-modifying compound, pesticide or chemical deterrent of the present invention is adsorbed or attached to a fibrous matrix, and so it is not so readily dispersed into the environment. Hence, use of the present fibrous pest deterrents can reduce the levels of pesticides that inadvertently contaminate non-target areas and pollute water supplies. The present fibrous pest deterrents therefore help moderate in the use of pesticides in commercial agricultural and non-agricultural operations, home gardens, and the urban environment, alleviating public concerns about pesticide run-off, contamination of the environment and risks to human health.

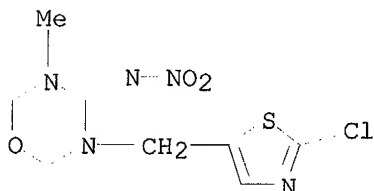
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 153719-23-4, Thiamethoxam 165252-70-0, Dinotefuran
283594-90-1, Spiromesifen
(fiber-supported pesticidal composition)

IT 153719-23-4, Thiamethoxam 165252-70-0, Dinotefuran
283594-90-1, Spiromesifen
(fiber-supported pesticidal composition)

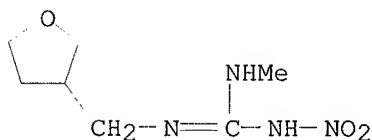
RN 153719-23-4 USPATFULL

CN 4H-1,3,5-Oxadiazin-4-imine, 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro- (9CI) (CA INDEX NAME)



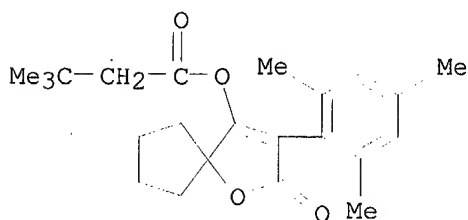
RN 165252-70-0 USPATFULL

CN Guanidine, N-methyl-N'-nitro-N''-[(tetrahydro-3-furanyl)methyl]- (9CI)
(CA INDEX NAME)



RN 283594-90-1 USPATFULL

CN Butanoic acid, 3,3-dimethyl-, 2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl ester (9CI) (CA INDEX NAME)



=> d 190 bib abs hitrn fhitstr tot

L90 ANSWER 1 OF 43 USPATFULL on STN

AN 2003:291161 USPATFULL

TI Biphenyl-substituted cyclic ketoenols as pesticides

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF

Graff, Alan, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF

Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF

Drewes, Mark Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF

Feucht, Dieter, Monheim, GERMANY, FEDERAL REPUBLIC OF

PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)

PI US 6642180 B1 20031104
WO 2001009092 20010208
AI US 2002-48764 20020125 (10)
WO 2000-EP6852 20000718
PRAI DE 1999-19935963 19990730 <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Kifle, Bruck; Assistant Examiner: McKenzie, Thomas
LREP Henderson, Richard E. L., Mrozinski, Jr., John E.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3305

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel biphenyl-substituted cyclic ketoenols of the formula (I) ##STR1##

in which

W represents hydrogen, halogen, alkyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio, alkylsulphanyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro, cyano or in each case optionally substituted phenyl, phenoxy, phenylthio, phenylalkoxy or phenylalkylthio,

Y represents in each case optionally substituted cycloalkyl, aryl or hetaryl,

Z represents hydrogen, halogen, alkyl, alkoxy, halogenoalkyl or halogenoalkoxy,

CKE represents one of the groups ##STR2##

in which

A, B, D, L, M, Q.sup.1, Q.sup.2, Q.sup.3, Q.sup.4, Q.sup.5 and Q.sup.6 are as defined in the description,

to preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 322641-34-9P

(preparation of biphenyl-substituted cyclic ketoenol derivs. as herbicides and pesticides)

IT 322641-43-0

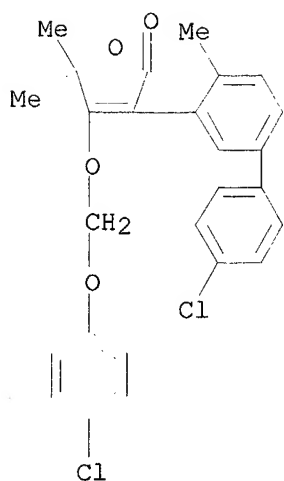
(preparation of biphenyl-substituted cyclic ketoenol derivs. as herbicides and pesticides)

IT 322641-34-9P

(preparation of biphenyl-substituted cyclic ketoenol derivs. as herbicides and pesticides)

RN 322641-34-9 USPATFULL

CN 2(5H)-Furanone, 3-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)-4-[(4-chlorophenoxy)methoxy]-5,5-dimethyl- (9CI) (CA INDEX NAME)



L90 ANSWER 2 OF 43 USPATFULL on STN

AN 2003:283228 USPATFULL

TI Alkyl-dihalogenophenyl-substituted ketoenols

IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Mencke, Norbert, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF

PI US 2003199572 A1 20031023

AI US 2001-17695 A1 20011214 (10)

RLI Division of Ser. No. US 1999-404424, filed on 23 Sep 1999, PENDING
 Division of Ser. No. US 1997-945664, filed on 31 Oct 1997, PATENTED
 Continuation-in-part of Ser. No. WO 1996-EP1718, filed on 29 Apr 1996,
 UNKNOWN

PRAI DE 1995-19516258 19950509 <--

DE 1995-19545467 19951206 <--

DT Utility

FS APPLICATION

LREP Howard C. Lee, Norris McLaughlin & Marcus, 30th Floor, 220 East 42nd
 Street, New York, NY, 10017

CLMN Number of Claims: 21

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4370

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
 (I) ##STR1##

in which

X represents halogen,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that always one of the radicals Y and Z represents halogen while the other represents alkyl, and

Het represents one of the groups ##STR2## ##STR3##

in which

A, B, D and G have the meanings given in the description, to a plurality of processes for their preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 185151-67-1P

(preparation of alkyldihalophenyl-substituted keto enols as pesticides and herbicides)

IT 185151-68-2P 185151-69-3P 185151-70-6P

185151-71-7P 185151-72-8P 185151-73-9P

185151-74-0P 185151-75-1P 185151-76-2P

185151-77-3P 185151-78-4P 185151-79-5P

185151-80-8P 185151-81-9P 185151-82-0P

185151-83-1P 185151-84-2P 185151-85-3P

185151-86-4P 185151-87-5P 185151-88-6P

185151-89-7P 185151-91-1P 185151-93-3P

185151-94-4P 185151-96-6P 185151-98-8P

185152-00-5P 185152-01-6P 185152-02-7P

185152-03-8P 185152-04-9P 185152-05-0P

185152-07-2P 185152-08-3P 185152-09-4P

185152-11-8P 185152-12-9P 185152-13-0P

185152-14-1P 185152-15-2P 185152-16-3P

185152-17-4P 185152-18-5P 185152-19-6P

185152-20-9P 185152-21-0P 185152-22-1P

185152-23-2P 185152-24-3P 185152-25-4P

185152-26-5P 185152-27-6P 185152-28-7P

185152-30-1P

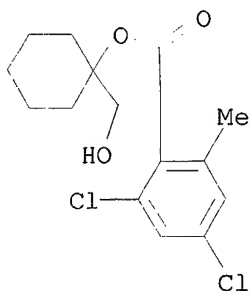
(preparation of alkyldihalophenyl-substituted keto enols as pesticides and herbicides)

IT 185151-67-1P

(preparation of alkyldihalophenyl-substituted keto enols as pesticides and herbicides)

RN 185151-67-1 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2,4-dichloro-6-methylphenyl)-4-hydroxy-(9CI) (CA INDEX NAME)



TI 2,4,5-trisubstituted phenylketo-enols for use as pesticides and herbicides

IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
Mencke, Norbert, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF

PI US 2003171219 A1 20030911

AI US 2002-247013 A1 20020919 (10)

RLI Division of Ser. No. US 2000-496616, filed on 2 Feb 2000, PENDING
Division of Ser. No. US 1997-983028, filed on 22 Dec 1997, GRANTED, Pat.
No. US 6110872 A 371 of International Ser. No. WO 1996-EP2608, filed on
17 Jun 1996, UNKNOWN

PRAI DE 1995-19523471 19950628 <--
DE 1996-19602524 19960125 <--

DT Utility

FS APPLICATION

LREP KURT BRISCOE, NORRIS, MCLAUGHLIN & MARCUS, P.A., 220 EAST 42ND STREET,
30TH FLOOR, NEW YORK, NY, 10017

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4047

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to new phenyl-substituted cyclic ketoenols of the
formula (I) ##STR1##

in which

Het represents one of the groups ##STR2##

wherein A, B, D, G, X, Y and Z have the meaning given in the
description, several processes and intermediate products for their
preparation and their use as pest control agents and herbicides.

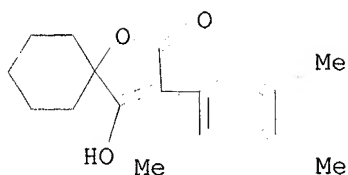
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186647-66-5P 186647-67-6P 186647-68-7P
186647-69-8P 186647-70-1P 186647-71-2P
186647-72-3P 186647-73-4P 186647-74-5P
186647-75-6P 186647-76-7P 186647-77-8P
186647-78-9P 186647-79-0P 186647-80-3P
186647-81-4P 186647-82-5P 186647-83-6P
186647-85-8P 186647-86-9P 186647-88-1P
186647-90-5P 186647-92-7P 186647-94-9P
186647-96-1P 186647-97-2P 186647-98-3P
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as herbicides and
pesticides)

IT 186647-66-5P
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as herbicides and
pesticides)

RN 186647-66-5 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,5-trimethylphenyl)- (9CI)
(CA INDEX NAME)



L90 ANSWER 4 OF 43 USPATFULL on STN

AN 2003:208143 USPATFULL

TI Dialkyl-halogenophenyl-substituted ketoenols

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF

PI US 2003144504 A1 20030731

AI US 2002-197720 A1 20020718 (10)

RLI Division of Ser. No. US 2001-839481, filed on 20 Apr 2001, PENDING
 Division of Ser. No. US 1999-360510, filed on 26 Jul 1999, GRANTED, Pat.
 No. US 6251830 Division of Ser. No. US 1997-981610, filed on 23 Dec
 1997, GRANTED, Pat. No. US 5994274 A 371 of International Ser. No. WO
 1996-EP2601, filed on 17 Jun 1996, UNKNOWN

PRAI DE 1995-19523850 19950630 <--

DE 1996-19603332 19960131 <--

DT Utility

FS APPLICATION

LREP KURT BRISCOE, NORRIS, MCLAUGHLIN & MARCUS, P.A., 220 EAST 42ND STREET,
 30TH FLOOR, NEW YORK, NY, 10017

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4496

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
 (I) ##STR1##

with the proviso that one of the radicals Y and Z always represents
 halogen and the other alkyl,

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

a plurality of processes for their preparation and their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186747-50-2P 186747-51-3P 186747-52-4P
 186747-53-5P 186747-54-6P 186747-55-7P
 186747-56-8P 186747-57-9P 186747-58-0P

186747-59-1P 186747-60-4P 186747-61-5P
 186747-62-6P 186747-63-7P 186747-64-8P
 186747-65-9P 186747-66-0P 186747-68-2P
 186747-69-3P 186747-70-6P 186747-72-8P
 186747-74-0P 186747-76-2P 186747-78-4P
 186747-80-8P 186747-82-0P 186747-84-2P
 186747-85-3P 186747-87-5P 186747-88-6P
 186747-89-7P 186747-90-0P 186747-91-1P
 186747-92-2P 186747-93-3P 186747-94-4P
 186747-95-5P 186747-96-6P 186747-97-7P
 186747-98-8P 186747-99-9P 186748-00-5P
 186748-01-6P 186748-02-7P 186748-03-8P
 186748-04-9P 186748-05-0P 186748-06-1P
 186748-07-2P

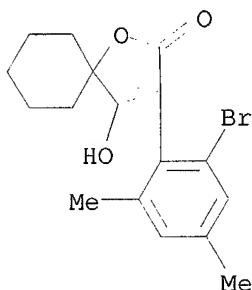
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides)

IT 186747-50-2P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides)

RN 186747-50-2 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-bromo-4,6-dimethylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



L90 ANSWER 5 OF 43 USPATFULL on STN

AN 2003:197206 USPATFULL

TI 2-and 2,5-substituted phenylketoenols

IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

PI US 6596873 B1 20030722

AI US 2002-264424 20021004 (10)

RLI Division of Ser. No. US 2001-6115, filed on 10 Dec 2001, now patented,
 Pat. No. US 6504036 Division of Ser. No. US 2001-809619, filed on 15 Mar
 2001, now patented, Pat. No. US 6359151 Division of Ser. No. US
 2000-548129, filed on 12 Apr 2000, now patented, Pat. No. US 6255342
 Division of Ser. No. US 1999-230653, filed on 28 Jan 1999, now patented,
 Pat. No. US 6114374

PRAI DE 1996-19631586 19960805 <--

DE 1997-19716591 19970421 <--

DT Utility

FS GRANTED
 EXNAM Primary Examiner: Lambkin, Deborah C.
 LREP Henderson, Richard E.L.
 CLMN Number of Claims: 4
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 2945

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel phenyl-substituted cyclic ketoenols of the **formula** (I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which A, B, D, G, X and Z are each as defined in the description,

to a plurality of processes and intermediates for their preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 203313-73-9P 203313-74-0P 203313-75-1P
 203313-76-2P 203313-77-3P 203313-78-4P
 203313-79-5P 203313-80-8P 203313-81-9P
 203313-82-0P 203313-83-1P 203313-84-2P
 203313-85-3P 203313-86-4P 203313-87-5P
 203313-88-6P 203313-89-7P

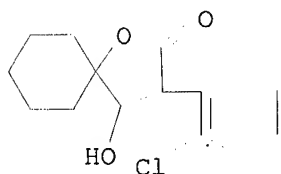
(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

IT 203313-73-9P

(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

RN 203313-73-9 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-chlorophenyl)-4-hydroxy- (9CI) (CA INDEX NAME)



L90 ANSWER 6 OF 43 USPATFULL on STN

AN 2003:184093 USPATFULL

TI Utilizing spirocyclic phenyl keto-enols as pesticides and herbicides

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, United States
 Turberg, Andreas, Haan, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

PI US 6589976 B1 20030708

WO 9916748 19990408

<--

AI US 2000-509288 20000321 (9)

WO 1998-EP5809 19980912

PRAI DE 1997-19742492 19970926

<--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Raymond, Richard L.; Assistant Examiner:

Balasubramanian, Venkataraman
LREP Henderson, Richard E. L., Harmuth, Raymond J., Gil, Joseph C.
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2859
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to novel spirocyclic phenylketoenols of the
formula ##STR1##

in which

Het represents one of the groups ##STR2##

in which

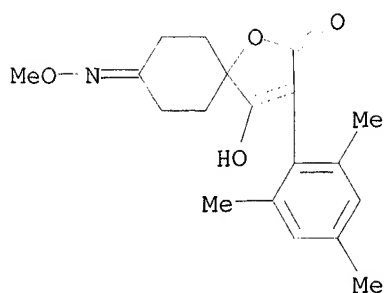
Q represents ##STR3##

and X, Y, Z, m, n, R.sup.6, R.sup.9, R.sup.10 and R.sup.11 are each as
defined in the description,

to a plurality of processes and intermediates for their preparation and
to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 221526-93-8P 221526-96-1P 221526-97-2P
221526-98-3P 221526-99-4P 221527-00-0P
(preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
activity)
IT 221527-03-3P 221527-04-4P 221527-05-5P
221527-06-6P 221527-08-8P 221527-09-9P
221527-10-2P 221527-11-3P 221527-12-4P
221527-13-5P 221527-18-0P 221527-19-1P
221527-20-4P 221527-21-5P 221527-22-6P
221527-23-7P
(preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
activity)
IT 221526-95-0P 221527-01-1P
(preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
activity)
IT 221526-94-9P 221527-07-7P 221527-14-6P
221527-15-7P 221527-16-8P 221527-24-8P
221527-25-9P
(preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
activity)
IT 221526-92-7P 221527-02-2P
(preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
activity)
IT 221526-93-8P
(preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
activity)
RN 221526-93-8 USPATFULL
CN 1-Oxaspiro[4.5]dec-3-ene-2,8-dione, 4-hydroxy-3-(2,4,6-trimethylphenyl)-,
8-(O-methyloxime) (9CI) (CA INDEX NAME)



L90 ANSWER 7 OF 43 USPATFULL on STN

AN 2003:140964 USPATFULL

TI Arylphenyl-substituted cyclic ketoenols

IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Drewes, Mark Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, UNITED STATES
 Wetcholowsky, Ingo, Estancia Marambaia, BRAZIL
 Feucht, Dieter, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Pontzen, Rolf, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Myers, Randy Allen, Overland Park, KS, UNITED STATES

PI US 2003096806 A1 20030522

AI US 2002-192361 A1 20020710 (10)

RLI Division of Ser. No. US 2001-673907, filed on 2 Jan 2001, GRANTED, Pat.
 No. US 6451843 A 371 of International Ser. No. WO 1999-EP2488, filed on
 14 Apr 1999, UNKNOWN

PRAI DE 1998-19818732 19980427 <--

DT Utility

FS APPLICATION

LREP BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA,
 15205

CLMN Number of Claims: 27

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4359

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel arylphenyl-substituted cyclic
 ketoenols of the **formula (I)** ##STR1##

in which

X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio,
 alkylsulphanyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy,
 halogenoalkenyloxy, nitro, cyano or in each case optionally substituted
 phenyl, phenoxy, phenylthio, phenylalkoxy or phenylalkylthio,

Y represents in each case optionally substituted cycloalkyl, aryl or
 hetaryl,

W represents hydrogen, halogen, alkyl, alkoxy, alkenyloxy,
 halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

Z represents halogen, alkyl, alkoxy, alkenyloxy, halogenoalkyl,
 halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

CKE represents one of the groups ##STR2##

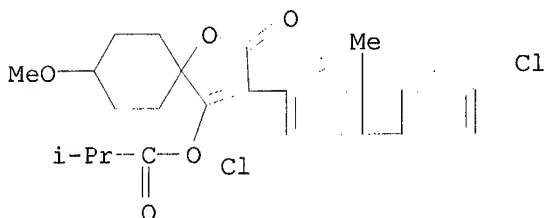
in which

A, B, D, G and Q.sup.1, S, Q.sup.6 are each as defined in the description,

to a plurality of processes for their preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 247902-12-1P 247902-13-2P
(preparation of biphenylpyrrolinones as insecticides and acaricides)
IT 186647-72-3 186647-74-5
(preparation of biphenylpyrrolinones as insecticides and acaricides)
IT 247902-10-9P 247902-11-0P
(preparation of biphenylpyrrolinones as insecticides and acaricides)
IT 247902-12-1P
(preparation of biphenylpyrrolinones as insecticides and acaricides)
RN 247902-12-1 USPATFULL
CN Propanoic acid, 2-methyl-, 3-(4',5-dichloro-2-methyl[1,1'-biphenyl]-4-yl)-
8-methoxy-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX
NAME)



L90 ANSWER 8 OF 43 USPATFULL on STN
AN 2003:106938 USPATFULL
TI Arylphenyl-substituted cyclic ketoenols
IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Bretshneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
Drewes, Mark Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF
Dollinger, Markus, Overland Park, KS, UNITED STATES
Wetcholowsky, Ingo, Vinhedo, BRAZIL
Myers, Randy Allen, Overland Park, KS, UNITED STATES
PI US 2003073851 A1 20030417
AI US 2002-142325 A1 20020509 (10)
RLI Division of Ser. No. US 2001-646722, filed on 2 Jan 2001, PENDING A 371
of International Ser. No. WO 1999-EP1787, filed on 18 Mar 1999, UNKNOWN
PRAI DE 1998-19813354 19980326 <--
DT Utility
FS APPLICATION
LREP BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA,
15205
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings

LN.CNT 4418

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel arylphenyl-substituted cyclic ketoenols of the **formula (I)** ##STR1##

in which

X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio, alkylsulphanyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro, cyano or in each case optionally substituted phenyl, phenoxy, phenylthio, phenylalkoxy or phenylalkylthio,

Y represents in each case optionally substituted cycloalkyl, aryl or hetaryl,

W and Y independently of one another each represent hydrogen, halogen, alkyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

CKE represents one of the groups ##STR2##

in which

A, B, D, G and Q.^{sup.1} to Q.^{sup.6} are each as defined in the description, to a plurality of processes for their preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 244159-16-8P 244159-17-9P 244159-18-0P

244159-19-1P 244159-20-4P

(preparation of arylketoenols as pesticides and herbicides)

IT 244159-54-4

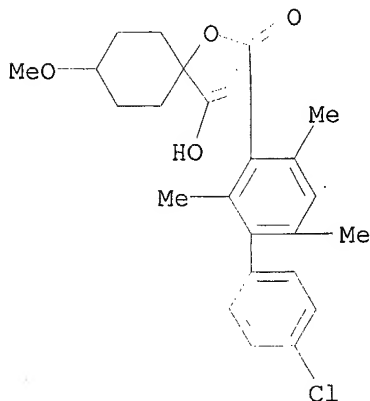
(preparation of arylketoenols as pesticides and herbicides)

IT 244159-16-8P

(preparation of arylketoenols as pesticides and herbicides)

RN 244159-16-8 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(4'-chloro-2,4,6-trimethyl[1,1'-biphenyl]-3-yl)-4-hydroxy-8-methoxy- (9CI) (CA INDEX NAME)



L90 ANSWER 9 OF 43 USPATFULL on STN

AN 2003:65308 USPATFULL

TI Phenyl-substituted cyclic ketoenols

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF

Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Lui, Norbert, Koln, GERMANY, FEDERAL REPUBLIC OF
Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
Mencke, Norbert, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF

PI US 2003045432 A1 20030306
AI US 2001-14713 A1 20011211 (10)
RLI Division of Ser. No. US 1997-875872, filed on 5 Aug 1997, GRANTED, Pat.
No. US 6358887 A 371 of International Ser. No. WO 1996-EP382, filed on
31 Jan 1996, UNKNOWN

PRAI DE 1995-19504621 19950213 <--
DE 1995-19543864 19951124 <--

DT Utility

FS APPLICATION

LREP KURT BRISCOE, NORRIS, MCLAUGHLIN & MARCUS, P.A., 220 EAST 42ND STREET,
30TH FLOOR, NEW YORK, NY, 10017

CLMN Number of Claims: 26

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3980

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
(I) ##STR1##

in which

X, Y and Z have the meanings given in the description and

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

a plurality of processes for their preparation, and to their use as
pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 148476-66-8P 181299-98-9P 181299-99-0P
181300-00-5P

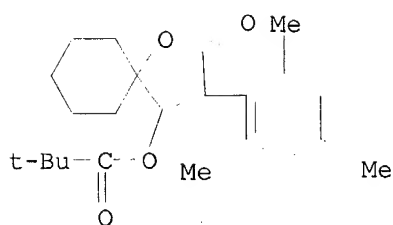
(preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as
herbicides and pesticides)

IT 148476-66-8P

(preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as
herbicides and pesticides)

RN 148476-66-8 USPATFULL

CN Propanoic acid, 2,2-dimethyl-, 2-oxo-3-(2,4,6-trimethylphenyl)-1-
oxaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)



L90 ANSWER 10 OF 43 USPATFULL on STN
 AN 2003:26326 USPATFULL
 TI 2,4,5-trisubstituted phenylketo-enols for use as pesticides and herbicides
 IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Mencke, Norbert, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
 PI US 6511942 B1 20030128
 AI US 2000-496616 20000202 (9)
 RLI Division of Ser. No. US 983028, now patented, Pat. No. US 6110872
 PRAI DE 1995-19523471 19950628 <--
 DE 1996-19602524 19960125 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Kifle, Bruck
 LREP Norris McLaughlin & Marcus
 CLMN Number of Claims: 7
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3551
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to new phenyl-substituted cyclic ketoenols of the **formula (I)** ##STR1##

in which

Het represents one of the groups ##STR2##

wherein A, B, D, G, X, Y and Z have the meaning given in the description, several processes and intermediate products for their preparation and their use as pest control agents and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186647-66-5P 186647-67-6P 186647-68-7P
 186647-69-8P 186647-70-1P 186647-71-2P
 186647-72-3P 186647-73-4P 186647-74-5P
 186647-75-6P 186647-76-7P 186647-77-8P
 186647-78-9P 186647-79-0P 186647-80-3P

186647-81-4P 186647-82-5P 186647-83-6P
 186647-85-8P 186647-86-9P 186647-88-1P
 186647-90-5P 186647-92-7P 186647-94-9P
 186647-96-1P 186647-97-2P 186647-98-3P

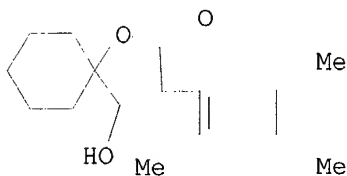
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as herbicides and pesticides)

IT 186647-66-5P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as herbicides and pesticides)

RN 186647-66-5 USPTFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,5-trimethylphenyl)- (9CI)
 (CA INDEX NAME)



L90 ANSWER 11 OF 43 USPTFULL on STN

AN 2003:6986 USPTFULL

TI 2- and 2.5-substituted phenylketoenols

IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neuman, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

PI US 6504036 B1 20030107

AI US 2001-6115 20011210 (10)

RLI Division of Ser. No. US 2001-809619, filed on 15 Mar 2001, now patented,
 Pat. No. US 6359151 Division of Ser. No. US 2000-548129, filed on 12 Apr
 2000, now patented, Pat. No. US 6255342 Division of Ser. No. US
 1999-230653, filed on 28 Jan 1999, now patented, Pat. No. US 6114374

PRAI DE 1996-19631586 19960805 <--

DE 1997-19716591 19970421 <--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Lambkin, Deborah C.

LREP Gil, Joseph C., Henderson, Richard E. L.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 2999

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which A, B, D, G, X and Z are each as defined in the description,

to a plurality of processes and intermediates for their preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 203313-73-9P 203313-74-0P 203313-75-1P
 203313-76-2P 203313-77-3P 203313-78-4P
 203313-79-5P 203313-80-8P 203313-81-9P
 203313-82-0P 203313-83-1P 203313-84-2P
 203313-85-3P 203313-86-4P 203313-87-5P
 203313-88-6P 203313-89-7P

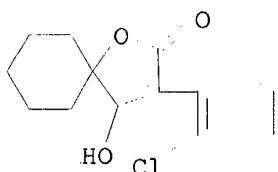
(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

IT 203313-73-9P

(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

RN 203313-73-9 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-chlorophenyl)-4-hydroxy- (9CI) (CA INDEX NAME)



L90 ANSWER 12 OF 43 USPATFULL on STN

AN 2002:330449 USPATFULL

TI Arylphenyl-substituted cyclic ketoenols

IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Drewes, Mark-Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, UNITED STATES
 Wetcholowsky, Ingo, Cond. Estancia Marambaia, BRAZIL
 Myers, Randy Allen, Overland Park, KS, UNITED STATES

PI US 2002188136 A1 20021212

AI US 2002-137763 A1 20020502 (10)

RLI Division of Ser. No. US 2000-623016, filed on 23 Oct 2000, GRANTED, Pat. No. US 6417370 A 371 of International Ser. No. WO 1999-EP1029, filed on 17 Feb 1999, UNKNOWN

PRAI DE 1998-19808261 19980227

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DT Utility

FS APPLICATION

LREP BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA, 15205

CLMN Number of Claims: 27

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4860

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel arylphenyl-substituted cyclic ketoenols of the formula (I) ##STR1##

in which

X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio,

alkylsulphanyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro, cyano or in each case optionally substituted phenyl, phenoxy, phenylthio, phenylalkoxy or phenylalkylthio,

Y represents in each case optionally substituted cycloalkyl, aryl or hetaryl,

Z represents hydrogen, halogen, alkyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

CKE represents one of the groups ##STR2##

in which

A, B, D, G and Q.sup.1 to Q.sup.6 are each as defined in the description,

to a plurality of processes for their preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 241144-53-6P 241144-54-7P 241144-55-8P
241144-56-9P 241144-57-0P 241144-58-1P
241144-60-5P 241144-61-6P 241144-62-7P
241144-63-8P 241144-64-9P 241144-65-0P
241144-66-1P 241144-67-2P 241144-68-3P

(preparation of cyclic ketoenols as herbicides and pesticides)

IT 241145-39-1

(preparation of cyclic ketoenols as herbicides and pesticides)

IT 241144-53-6P

(preparation of cyclic ketoenols as herbicides and pesticides)

RN 241144-53-6 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-4-hydroxy-8-methoxy- (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L90 ANSWER 13 OF 43 USPATFULL on STN

AN 2002:311054 USPATFULL

TI Substituted phenyl keto enols as pesticides and herbicides

IN Lieb, Volker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)

PI US 6486343 B1 20021126

AI US 2002-74351 20020212 (10)

RLI Division of Ser. No. US 2001-871611, filed on 1 Jun 2001, now patented,
Pat. No. US 6388123 Division of Ser. No. US 2000-550105, filed on 14 Apr
2000, now patented, Pat. No. US 6271180, issued on 7 Aug 2001 Division
of Ser. No. US 155637, now patented, Pat. No. US 6140358, issued on 31
Oct 2000

PRAI DE 1996-19613171 19960402 <--

DE 1996-19649665 19961129 <--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Lambkin, Deborah C.
 LREP Gil, Joseph C., Harmuth, Raymond J.
 CLMN Number of Claims: 4
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3270

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compounds of the formula
 (I) ##STR1##

in which

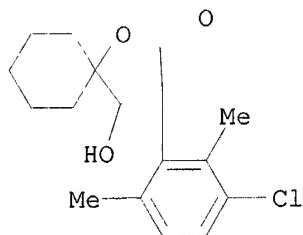
Het represents one of the groups ##STR2##

in which

A, B, D, G, V, W, X, Y and Z are as defined in the description,
 processes and intermediates for their preparation, and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 197710-62-6P 197710-64-8P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 IT 197710-65-9P 197710-66-0P 197710-67-1P
 197710-68-2P 197710-69-3P 197710-70-6P
 197710-71-7P 197710-72-8P 197710-73-9P
 197710-74-0P 197710-75-1P 197710-76-2P
 197710-77-3P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 IT 197710-62-6P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 RN 197710-62-6 USPATFULL
 CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(3-chloro-2,6-dimethylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



L90 ANSWER 14 OF 43 USPATFULL on STN
 AN 2002:288164 USPATFULL
 TI Methods of making substituted phenylketoenols
 IN Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, UNITED STATES
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 PI US 2002161034 A1 20021031
 US 6630594 B2 20031007
 AI US 2002-59094 A1 20020128 (10)

RLI Division of Ser. No. US 2001-895619, filed on 29 Jun 2001, PENDING
 Division of Ser. No. US 1999-319489, filed on 4 Jun 1999, GRANTED, Pat.
 No. US 6288102
 PRAI DE 1996-19651686 19961212 <--
 DT Utility
 FS APPLICATION
 LREP BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA,
 15205
 CLMN Number of Claims: 19
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 2678
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1##

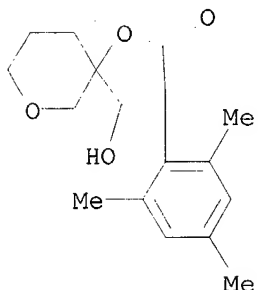
in which

Het represents one of the groups ##STR2##

and G, V, W, X, Y and Z are each as defined in the description, to
 processes and intermediates for their preparation and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 209111-40-0P 209111-41-1P 209111-42-2P
 209111-43-3P 209111-44-4P 209111-45-5P
 209111-46-6P 209111-47-7P 209111-48-8P
 209111-49-9P 209111-50-2P 209111-51-3P
 209111-52-4P 209111-53-5P 209111-54-6P
 209111-55-7P 209111-56-8P 209111-57-9P
 209111-58-0P 209111-59-1P 209111-60-4P
 209111-61-5P 209111-62-6P
 (preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs.
 and analogs as herbicides and pesticides)
 IT 209111-40-0P
 (preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs.
 and analogs as herbicides and pesticides)
 RN 209111-40-0 USPATFULL
 CN 1,7-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
 (9CI) (CA INDEX NAME)



L90 ANSWER 15 OF 43 USPATFULL on STN
 AN 2002:254480 USPATFULL
 TI Aryl phenyl substituted cyclic ketoenols
 IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF

Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Bretshneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Drewes, Mark Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, United States
 Wetcholowsky, Ingo, Vinhedo, BRAZIL
 Myers, Randy Allen, Overland Park, KS, United States
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)
 PI US 6458965 B1 20021001
 WO 9948869 19990930 <--
 AI US 2001-646722 20010102 (9)
 WO 1999-EP1787 19990318
 20010102 PCT 371 date
 PRAI DE 1998-19813354 19980326 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Shah, Mukund; Assistant Examiner: Patel, Sudhaker B.
 LREP Gil, Joseph C., Harmuth, Raymond J.
 CLMN Number of Claims: 12
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3888
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel arylphenyl-substituted cyclic
 ketonols of the **formula** (I) ##STR1##

in which

X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio,
 alkylsulphinyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy,
 halogenoalkenyloxy, nitro, cyano or in each case optionally substituted
 phenyl, phenoxy, phenylthio, phenylalkoxy or phenylalkylthio,

Y represents in each case optionally substituted cycloalkyl, aryl or
 hetaryl,

W and Y independently of one another each represent hydrogen, halogen,
 alkyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkoxy,
 halogenoalkenyloxy, nitro or cyano,

CKE represents one of the groups ##STR2##

in which

A, B, D, G and Q.^{sup.1} to Q.^{sup.6} are each as defined in the
 description,

to a plurality of processes for their preparation and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 244159-16-8P 244159-17-9P 244159-18-0P
 244159-19-1P 244159-20-4P

(preparation of arylketoenols as pesticides and herbicides)

IT 244159-54-4

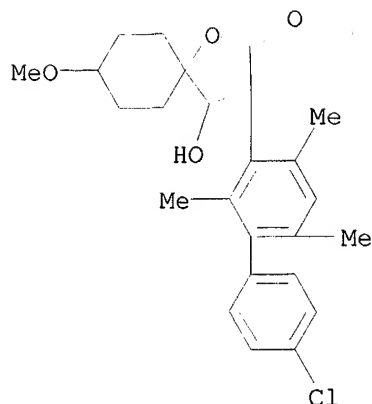
(preparation of arylketoenols as pesticides and herbicides)

IT 244159-16-8P

(preparation of arylketoenols as pesticides and herbicides)

RN 244159-16-8 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(4'-chloro-2,4,6-trimethyl[1,1'-biphenyl]-
 3-yl)-4-hydroxy-8-methoxy- (9CI) (CA INDEX NAME)



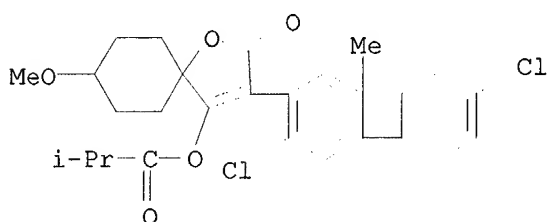
L90 ANSWER 16 OF 43 USPATFULL on STN
 AN 2002:239049 USPATFULL
 TI Arylphenyl-substituted cyclic keto enols
 IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Drewes, Mark Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, United States
 Wetcholowsky, Ingo, Estancia Marambaia, BRAZIL
 Feucht, Dieter, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Pontzen, Rolf, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Myers, Randy Allen, Overland Park, KS, United States
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)
 PI US 6451843 B1 20020917
 WO 9955673 19991104
 AI US 2001-673907 20010102 (9)
 WO 1999-EP2488 19990414
 20010102 PCT 371 date
 PRAI DE 1998-19818732 19980427 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Truong, Tamthom
 N.
 LREP Gil, Joseph C., Harmuth, Raymond J.
 CLMN Number of Claims: 8
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3930
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel arylphenyl-substituted cyclic
 ketoenols, their preparation and the use of such ketoenols as pesticides
 and/or herbicides. The novel arylphenyl-substituted cyclic ketoenols are
 of the **formula** (I) ##STR1##

in which

CKE refers to the cyclic ketoenol and W, X, Y and Z are as defined in
 the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 247902-12-1P 247902-13-2P
(preparation of biphenylpyrrolinones as insecticides and acaricides)
IT 186647-72-3 186647-74-5
(preparation of biphenylpyrrolinones as insecticides and acaricides)
IT 247902-10-9P 247902-11-0P
(preparation of biphenylpyrrolinones as insecticides and acaricides)
IT 247902-12-1P
(preparation of biphenylpyrrolinones as insecticides and acaricides)
RN 247902-12-1 USPATFULL
CN Propanoic acid, 2-methyl-, 3-(4',5-dichloro-2-methyl[1,1'-biphenyl]-4-yl)-
8-methoxy-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX
NAME)



L90 ANSWER 17 OF 43 USPATFULL on STN

AN 2002:168373 USPATFULL
TI Arylphenyl-substituted cyclic keto-enols
IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
Drewes, Mark-Wilhelm, Langenfeld, GERMANY, FEDERAL REPUBLIC OF
Dollinger, Markus, Overland Park, KS, United States
Wetcholowsky, Ingo, Cond. Estancia Marambaia, BRAZIL
Myers, Randy Allen, Overland Park, KS, United States
PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 6417370 B1 20020709
WO 9943649 19990902 <--
AI US 2000-623016 20001023 (9)
WO 1999-EP1029 19990217
20001023 PCT 371 date
PRAI DE 1998-19808261 19980227 <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Patel, Sudhaker
B.
LREP Gil, Joseph C., Harmuth, Raymond J.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 4409

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel arylphenyl-substituted cyclic
ketoenols of the **formula** (I) ##STR1##

in which

X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio, alkylsulphanyl, alkylsulphonyl, halogenoalkyl, halogeno-alkoxy, halogenoalkenyloxy, nitro, cyano or in each case optionally substituted phenyl, phenoxy, phenylthio, phenyl-alkoxy or phenylalkylthio,

Y represents in each case optionally substituted cycloalkyl, aryl or hetaryl,

Z represents hydrogen, halogen, alkyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

CKE represents one of the groups ##STR2##

in which

A, B, D, G and Q^{sup.1} to Q^{sup.6} are each as defined in the description, to a plurality of processes for their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 241144-53-6P 241144-54-7P 241144-55-8P
241144-56-9P 241144-57-0P 241144-58-1P
241144-60-5P 241144-61-6P 241144-62-7P
241144-63-8P 241144-64-9P 241144-65-0P
241144-66-1P 241144-67-2P 241144-68-3P
(preparation of cyclic ketoenols as herbicides and pesticides)
IT 241145-39-1
(preparation of cyclic ketoenols as herbicides and pesticides)
IT 241144-53-6P
(preparation of cyclic ketoenols as herbicides and pesticides)
RN 241144-53-6 USPATFULL
CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-4-hydroxy-8-methoxy- (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L90 ANSWER 18 OF 43 USPATFULL on STN
AN 2002:116298 USPATFULL
TI Substituted phenylketoenols
IN Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
Dollinger, Markus, Overland Park, KS, United States
Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 6391912 B1 20020521
US 2002072617 A1 20020613
AI US 2001-895649 20010629 (9)
RLI Division of Ser. No. US 1999-319489, filed on 4 Jun 1999, now patented,
Pat. No. US 6288102
PRAI DE 1996-19651686 19961212 <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Solola, T. A.
LREP Gil, Joseph C., Mrozinski, Jr., John E.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 2525

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel phenyl-substituted cyclic ketoenols of the **formula (I)** ##STR1##

in which

Het represents one of the groups ##STR2##

and G, V, W, X, Y and Z are each as defined in the description,

to processes and intermediates for their preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 209111-40-0P 209111-41-1P 209111-42-2P
209111-43-3P 209111-44-4P 209111-45-5P
209111-46-6P 209111-47-7P 209111-48-8P
209111-49-9P 209111-50-2P 209111-51-3P
209111-52-4P 209111-53-5P 209111-54-6P
209111-55-7P 209111-56-8P 209111-57-9P
209111-58-0P 209111-59-1P 209111-60-4P
209111-61-5P 209111-62-6P

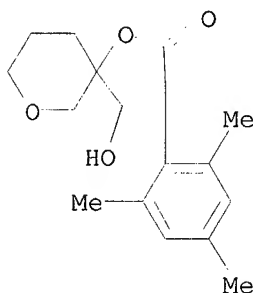
(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs. and analogs as herbicides and pesticides)

IT 209111-40-0P

(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs. and analogs as herbicides and pesticides)

RN 209111-40-0 USPATFULL

CN 1,7-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
(9CI) (CA INDEX NAME)



L90 ANSWER 19 OF 43 USPATFULL on STN

AN 2002:109215 USPATFULL

TI Substituted phenyl keto enols as pesticides and herbicides

IN Lieb, Volker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)

PI US 6388123 B1 20020514
 AI US 2001-871611 20010601 (9)
 RLI Division of Ser. No. US 2000-550105, filed on 14 Apr 2000, now patented,
 Pat. No. US 6271180 Division of Ser. No. US 1998-155637, filed on 29 Sep
 1998, now patented, Pat. No. US 6140358
 PRAI DE 1996-19613171 19960402 <--
 DE 1996-19649665 19961129 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Lambkin, Deborah C.
 LREP Gil, Joseph C., Harmuth, Raymond J.
 CLMN Number of Claims: 6
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3353
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel compounds of the formula
 (I) ##STR1##

in which

Het represents one of the groups ##STR2##

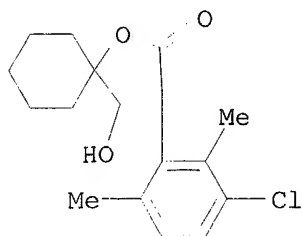
in which

A, B, D, G, V, W, X, Y and Z are as defined in the description,

processes and intermediates for their preparation, and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 197710-62-6P 197710-64-8P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 IT 197710-65-9P 197710-66-0P 197710-67-1P
 197710-68-2P 197710-69-3P 197710-70-6P
 197710-71-7P 197710-72-8P 197710-73-9P
 197710-74-0P 197710-75-1P 197710-76-2P
 197710-77-3P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 IT 197710-62-6P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 RN 197710-62-6 USPATFULL
 CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(3-chloro-2,6-dimethylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



L90 ANSWER 20 OF 43 USPATFULL on STN
 AN 2002:95832 USPATFULL
 TI Alkyl-dihalogenated phenyl-substituted ketoenols useful as pesticides
 and herbicides
 IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Mencke, Norbert, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)
 PI US 6380246 B1 20020430
 AI US 1999-404424 19990923 (9)
 RLI Division of Ser. No. US 1997-945664, filed on 31 Oct 1997, now abandoned
 Continuation-in-part of Ser. No. WO 1996-EP1781, filed on 29 Apr 1996
 PRAI DE 1995-19516258 19950509 <--
 DE 1995-19545467 19951206 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Kifle, Bruck; Assistant Examiner: Truong, Tamthom N.
 LREP Norris McLaughlin & Marcus
 CLMN Number of Claims: 11
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3817
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to new compounds of the **formula**
 (I) ##STR1##

in which

X represents halogen,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that always one of the radicals Y and Z represents
 halogen while the other represents alkyl, and

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

to a plurality of processes for their preparation and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 185151-67-1P

(preparation of alkyldihalophenyl-substituted keto enols as pesticides and
 herbicides)

IT 185151-68-2P 185151-69-3P 185151-70-6P
 185151-71-7P 185151-72-8P 185151-73-9P
 185151-74-0P 185151-75-1P 185151-76-2P
 185151-77-3P 185151-78-4P 185151-79-5P
 185151-80-8P 185151-81-9P 185151-82-0P

185151-83-1P 185151-84-2P 185151-85-3P
 185151-86-4P 185151-87-5P 185151-88-6P
 185151-89-7P 185151-91-1P 185151-93-3P
 185151-94-4P 185151-96-6P 185151-98-8P
 185152-00-5P 185152-01-6P 185152-02-7P
 185152-03-8P 185152-04-9P 185152-05-0P
 185152-07-2P 185152-08-3P 185152-09-4P
 185152-11-8P 185152-12-9P 185152-13-0P
 185152-14-1P 185152-15-2P 185152-16-3P
 185152-17-4P 185152-18-5P 185152-19-6P
 185152-20-9P 185152-21-0P 185152-22-1P
 185152-23-2P 185152-24-3P 185152-25-4P
 185152-26-5P 185152-27-6P 185152-28-7P
 185152-30-1P

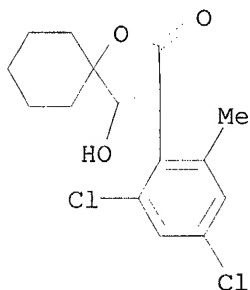
(preparation of alkyldihalophenyl-substituted keto enols as pesticides and herbicides)

IT 185151-67-1P

(preparation of alkyldihalophenyl-substituted keto enols as pesticides and herbicides)

RN 185151-67-1 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2,4-dichloro-6-methylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



L90 ANSWER 21 OF 43 USPATFULL on STN

AN 2002:57727 USPATFULL

TI 2-Phenyl-substituted heterocyclic 1,3-ketonols as herbicides and pesticides

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Lui, Norbert, Koln, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Mencke, Norbert, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF

PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

PI US 6358887 B1 20020319

WO 9625395 19960822

<--

AI US 1997-875872 19970805 (8)

WO 1996-EP382 19960131

19970805 PCT 371 date

PRAI DE 1995-19504621 19950213

<--

DE 1995-19543864 19951124 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Kifle, Bruck
 LREP Norris McLaughlin & Marcus
 CLMN Number of Claims: 11
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3445
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to new compounds of the **formula**
 (I) ##STR1##

in which

X, Y and Z have the meanings given in the description and

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

a plurality of processes for their preparation, and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 148476-66-8P 181299-98-9P 181299-99-0P
 181300-00-5P

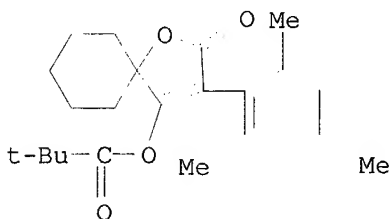
(preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as herbicides and pesticides)

IT 148476-66-8P

(preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as herbicides and pesticides)

RN 148476-66-8 USPATFULL

CN Propanoic acid, 2,2-dimethyl-, 2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)



L90 ANSWER 22 OF 43 USPATFULL on STN

AN 2002:37855 USPATFULL

TI Dialkyl-halogenophenyl-substituted ketoenols

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Gladbach, GERMANY, FEDERAL REPUBLIC OF

PI US 2002022575 A1 20020221
 US 6469196 B2 20021022

AI US 2001-839481 A1 20010420 (9)

RLI Division of Ser. No. US 1999-360510, filed on 26 Jul 1999, GRANTED, Pat.
 No. US 6251830 Division of Ser. No. US 1997-981610, filed on 23 Dec
 1997, GRANTED, Pat. No. US 5994274 A 371 of International Ser. No. WO
 1996-EP2601, filed on 17 Jun 1996, UNKNOWN

PRAI DE 1995-19523850 19950630 <--
 DE 1996-19603332 19960131 <--

DT Utility
 FS APPLICATION

LREP Kurt G. Briscoe, Norris McLaughlin & Marcus, P.A., 220 East 42nd Street
 - 30th Floor, New York, NY, 10017

CLMN Number of Claims: 22
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 4510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the **formula**
 (I) ##STR1##

in which

X represents alkyl,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that one of the radicals Y and Z always represents
 halogen and the other alkyl,

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

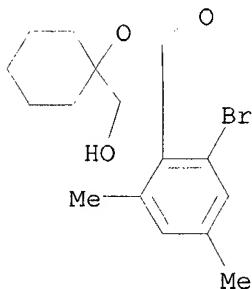
a plurality of processes for their preparation and their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186747-50-2P 186747-51-3P 186747-52-4P
 186747-53-5P 186747-54-6P 186747-55-7P
 186747-56-8P 186747-57-9P 186747-58-0P
 186747-59-1P 186747-60-4P 186747-61-5P
 186747-62-6P 186747-63-7P 186747-64-8P
 186747-65-9P 186747-66-0P 186747-68-2P
 186747-69-3P 186747-70-6P 186747-72-8P
 186747-74-0P 186747-76-2P 186747-78-4P
 186747-80-8P 186747-82-0P 186747-84-2P
 186747-85-3P 186747-87-5P 186747-88-6P
 186747-89-7P 186747-90-0P 186747-91-1P
 186747-92-2P 186747-93-3P 186747-94-4P
 186747-95-5P 186747-96-6P 186747-97-7P
 186747-98-8P 186747-99-9P 186748-00-5P
 186748-01-6P 186748-02-7P 186748-03-8P
 186748-04-9P 186748-05-0P 186748-06-1P
 186748-07-2P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and

herbicides)
 IT 186747-50-2P
 (preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides)
 RN 186747-50-2 USPATFULL
 CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-bromo-4,6-dimethylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



L90 ANSWER 23 OF 43 USPATFULL on STN
 AN 2002:17324 USPATFULL
 TI 2- and 2,5-substituted phenylketoenols
 IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neuman, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 PI US 2002010204 A1 20020124
 US 6359151 B2 20020319
 AI US 2001-809619 A1 20010315 (9)
 RLI Division of Ser. No. US 2000-548129, filed on 12 Apr 2000, GRANTED, Pat.
 No. US 6255342 Division of Ser. No. US 1999-230653, filed on 28 Jan
 1999, GRANTED, Pat. No. US 6114374
 PRAI DE 1996-19631586 19960805 <--
 DE 1997-19716591 19970421 <--
 DT Utility
 FS APPLICATION
 LREP BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA,
 15205
 CLMN Number of Claims: 21
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 3619
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which A, B, D, G, X and Z are each as defined in the description, to a plurality of processes and intermediates for their preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 203313-73-9P 203313-74-0P 203313-75-1P
 203313-76-2P 203313-77-3P 203313-78-4P
 203313-79-5P 203313-80-8P 203313-81-9P
 203313-82-0P 203313-83-1P 203313-84-2P
 203313-85-3P 203313-86-4P 203313-87-5P
 203313-88-6P 203313-89-7P

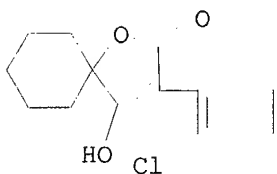
(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

IT 203313-73-9P

(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

RN 203313-73-9 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-chlorophenyl)-4-hydroxy- (9CI) (CA
 INDEX NAME)



L90 ANSWER 24 OF 43 USPATFULL on STN

AN 2001:202667 USPATFULL

TI Alkyl dihalogenated phenyl-substituted ketoenols useful as pesticides and herbicides

IN Lieb, Folker, Leverkusen, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Widdig, Arno, Odenthal, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Dahmen, Peter, Neuss, Germany, Federal Republic of
 Dollinger, Markus, Leverkusen, Germany, Federal Republic of
 Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
 Graff, Alan, Kooln, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 Mencke, Norbert, Leverkusen, Germany, Federal Republic of
 Turberg, Andreas, Erkrath, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)

PI US 6316486 B1 20011113

WO 9635664 19961114

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AI US 1997-945664 19971031 (8)

WO 1996-EP1781

19960429

19971031 PCT 371 date

19971031 PCT 102(e) date

PRAI DE 1995-19516258

19950509

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DE 1995-19545467

19951206

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DT Utility

FS GRANTED

EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Truong, Tamthom
 N.

LREP Norris McLaughlin & Marcus

CLMN Number of Claims: 9

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4207

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
(I) ##STR1##

in which

X represents halogen,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that always one of the radicals Y and Z represents
halogen while the other represents alkyl, and

Het represents one of the groups ##STR2##

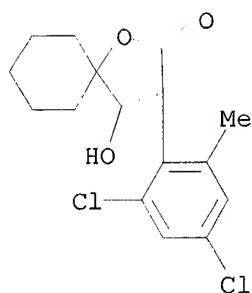
in which

A, B, D and G have the meanings given in the description,

to a plurality of processes for their preparation and to their use as
pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 185151-67-1P
(preparation of alkyldihalophenyl-substituted keto enols as pesticides and
herbicides)
IT 185151-68-2P 185151-69-3P 185151-70-6P
185151-71-7P 185151-72-8P 185151-73-9P
185151-74-0P 185151-75-1P 185151-76-2P
185151-77-3P 185151-78-4P 185151-79-5P
185151-80-8P 185151-81-9P 185151-82-0P
185151-83-1P 185151-84-2P 185151-85-3P
185151-86-4P 185151-87-5P 185151-88-6P
185151-89-7P 185151-91-1P 185151-93-3P
185151-94-4P 185151-96-6P 185151-98-8P
185152-00-5P 185152-01-6P 185152-02-7P
185152-03-8P 185152-04-9P 185152-05-0P
185152-07-2P 185152-08-3P 185152-09-4P
185152-11-8P 185152-12-9P 185152-13-0P
185152-14-1P 185152-15-2P 185152-16-3P
185152-17-4P 185152-18-5P 185152-19-6P
185152-20-9P 185152-21-0P 185152-22-1P
185152-23-2P 185152-24-3P 185152-25-4P
185152-26-5P 185152-27-6P 185152-28-7P
185152-30-1P
(preparation of alkyldihalophenyl-substituted keto enols as pesticides and
herbicides)
IT 185151-67-1P
(preparation of alkyldihalophenyl-substituted keto enols as pesticides and
herbicides)
RN 185151-67-1 USPATFULL
CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2,4-dichloro-6-methylphenyl)-4-hydroxy-
(9CI) (CA INDEX NAME)



L90 ANSWER 25 OF 43 USPATFULL on STN
 AN 2001:152998 USPATFULL
 TI Substituted phenylketoenols and their use as pesticides and herbicides
 IN Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Dahmen, Peter, Neuss, Germany, Federal Republic of
 Dollinger, Markus, Overland Park, KS, United States
 Graff, Alan, Koln, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 6288102 B1 20010911
 WO 9825928 19980618 <--
 AI US 1999-319489 19990604 (9)
 WO 1997-EP6708 19971201
 19990604 PCT 371 date
 19990604 PCT 102(e) date
 PRAI DE 1996-19651686 19961212 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Solola, T. A.
 LREP Gil, Joseph C., Franks, James R., Zurcher, Jackie Ann
 CLMN Number of Claims: 8
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 2578
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1##

 in which

 Het represents one of the groups ##STR2##

 and G, V, W, X, Y and Z are each as defined in the description,

 to processes and intermediates for their preparation and to their use as
 pesticides and herbicides.

 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 209111-40-0P 209111-41-1P 209111-42-2P
 209111-43-3P 209111-44-4P 209111-45-5P
 209111-46-6P 209111-47-7P 209111-48-8P
 209111-49-9P 209111-50-2P 209111-51-3P
 209111-52-4P 209111-53-5P 209111-54-6P
 209111-55-7P 209111-56-8P 209111-57-9P

209111-58-0P 209111-59-1P 209111-60-4P

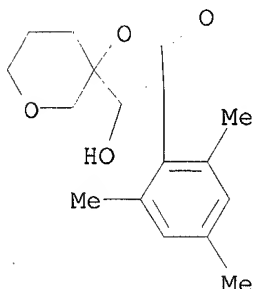
209111-61-5P 209111-62-6P

(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs. and analogs as herbicides and pesticides)

IT 209111-40-0P

(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs. and analogs as herbicides and pesticides)

RN 209111-40-0 USPATFULL

CN 1,7-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
(9CI) (CA INDEX NAME)

L90 ANSWER 26 OF 43 USPATFULL on STN

AN 2001:102852 USPATFULL

TI 2-and 2,5-substituted phenylketoenols

IN Lieb, Folker, Leverkusen, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of
 Graff, Alan, Koln, Germany, Federal Republic of
 Schneider, Udo, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 Turberg, Andreas, Erkrath, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)

PI US 6255342 B1 20010703

AI US 2000-548129 20000412 (9)

RLI Division of Ser. No. US 230653, now patented, Pat. No. US 6114374

PRAI DE 1996-19631586 19960805 <--
 DE 1997-19716591 19970421 <--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Lambkin, Deborah C.

LREP Gil, Joseph C.

CLMN Number of Claims: 2

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3071

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which A, B, D, G, X and Z are each as defined in the description, to

a plurality of processes and intermediates for their preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 203313-73-9P 203313-74-0P 203313-75-1P
 203313-76-2P 203313-77-3P 203313-78-4P
 203313-79-5P 203313-80-8P 203313-81-9P
 203313-82-0P 203313-83-1P 203313-84-2P
 203313-85-3P 203313-86-4P 203313-87-5P
 203313-88-6P 203313-89-7P

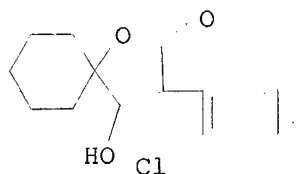
(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

IT 203313-73-9P

(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

RN 203313-73-9 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-chlorophenyl)-4-hydroxy- (9CI) (CA
 INDEX NAME)



L90 ANSWER 27 OF 43 USPATFULL on STN

AN 2001:97854 USPATFULL

TI Dialkyl-halogenophenyl-substituted ketoenols

IN Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Lieb, Folker, Leverkusen, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of
 Widdig, Arno, Odenthal, Germany, Federal Republic of
 Dahmen, Peter, Neuss, Germany, Federal Republic of
 Dollinger, Markus, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Graff, Alan, Koln, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)

PI US 6251830 B1 20010626

AI US 1999-360510 19990726 (9)

RLI Division of Ser. No. US 981610, now patented, Pat. No. US 5994274

PRAI DE 1995-19523850 19950630 <--

DE 1996-19603332 19960131 <--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Raymond, Richard L.

LREP Norris McLaughlin & Marcus

CLMN Number of Claims: 9

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4379

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
 (I) ##STR1##

in which

X represents alkyl,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that one of the radicals Y and Z always represents halogen and the other alkyl,

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

a plurality of processes for their preparation and their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186747-50-2P 186747-51-3P 186747-52-4P
186747-53-5P 186747-54-6P 186747-55-7P
186747-56-8P 186747-57-9P 186747-58-0P
186747-59-1P 186747-60-4P 186747-61-5P
186747-62-6P 186747-63-7P 186747-64-8P
186747-65-9P 186747-66-0P 186747-68-2P
186747-69-3P 186747-70-6P 186747-72-8P
186747-74-0P 186747-76-2P 186747-78-4P
186747-80-8P 186747-82-0P 186747-84-2P
186747-85-3P 186747-87-5P 186747-88-6P
186747-89-7P 186747-90-0P 186747-91-1P
186747-92-2P 186747-93-3P 186747-94-4P
186747-95-5P 186747-96-6P 186747-97-7P
186747-98-8P 186747-99-9P 186748-00-5P
186748-01-6P 186748-02-7P 186748-03-8P
186748-04-9P 186748-05-0P 186748-06-1P
186748-07-2P

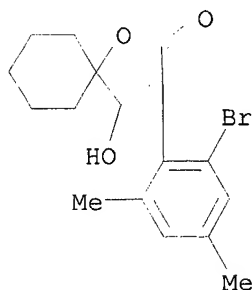
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides)

IT 186747-50-2P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides)

RN 186747-50-2 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-bromo-4,6-dimethylphenyl)-4-hydroxy-
(9CI) (CA INDEX NAME)



L90 ANSWER 28 OF 43 USPATFULL on STN

AN 2001:95457 USPATFULL

TI Substituted phenyl keto enols as pesticides and herbicides

IN Lieb, Volker, Leverkusen, Germany, Federal Republic of
Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
Widdig, Arno, Odenthal, Germany, Federal Republic of
Ruther, Michael, Monheim, Germany, Federal Republic of
Fischer, Reiner, Monheim, Germany, Federal Republic of
Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
Graff, Alan, Koln, Germany, Federal Republic of
Schneider, Udo, Leverkusen, Germany, Federal Republic of

PI US 2001004629 A1 20010621
US 6271180 B2 20010807

AI US 2000-550105 A1 20000414 (9)

RLI Division of Ser. No. US 1998-155637, filed on 29 Sep 1998, GRANTED, Pat.
No. US 6140358 A 371 of International Ser. No. WO 1997-EP1426, filed on
21 Mar 1997, UNKNOWN

PRAI DE 1996-19613171 19960402 <--
DE 1996-19649665 19961129 <--

DT Utility
FS APPLICATION

LREP Bayer Corporation, Patent Department, 100 Bayer Rd, Pittsburgh, PA,
15205-9741

CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 4070

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compounds of the formula
(I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which

A, B, D, G, V, W, X, Y and Z are as defined in the description,
processes and intermediates for their preparation, and to their use as
pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

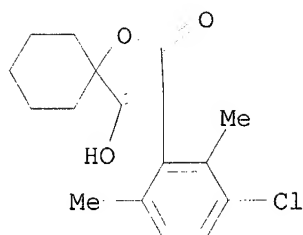
IT 197710-62-6P 197710-64-8P
(preparation of arylheterocyclic keto enols as insecticides and acaricides)

IT 197710-65-9P 197710-66-0P 197710-67-1P
197710-68-2P 197710-69-3P 197710-70-6P
197710-71-7P 197710-72-8P 197710-73-9P
197710-74-0P 197710-75-1P 197710-76-2P
197710-77-3P
(preparation of arylheterocyclic keto enols as insecticides and acaricides)

IT 197710-62-6P
(preparation of arylheterocyclic keto enols as insecticides and acaricides)

RN 197710-62-6 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(3-chloro-2,6-dimethylphenyl)-4-hydroxy-
(9CI) (CA INDEX NAME)



L90 ANSWER 29 OF 43 USPATFULL on STN

AN 2000:146404 USPATFULL

TI Substituted phenyl keto enols as pesticides and herbicides

IN Lieb, Volker, Leverkusen, Germany, Federal Republic of
Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
Widdig, Arno, Odenthal, Germany, Federal Republic of
Ruther, Michael, Monheim, Germany, Federal Republic of
Fischer, Reiner, Monheim, Germany, Federal Republic of
Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
Graff, Alan, Koln, Germany, Federal Republic of
Schneider, Udo, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)

PI US 6140358 20001031

WO 9736868 19971009

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AI US 1998-155637 19980929 (9)

WO 1997-EP1426 19970321

19980929 PCT 371 date

19980929 PCT 102(e) date

PRAI DE 1996-19613171 19960402

<--

DE 1996-19649665 19961129

<--

DT Utility

FS Granted

EXNAM Primary Examiner: Lambkin, Deborah C.

LREP Gil, Joseph C., Marmo, Carol

CLMN Number of Claims: 14

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4059

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compounds of the formula
(I) ##STR1## in which Het represents one of the groups ##STR2## in which
A, B, D, G, V, W, X, Y and Z are as defined in the description,

processes and intermediates for their preparation, and to their use as
pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 197710-62-6P 197710-64-8P

(preparation of arylheterocyclic keto enols as insecticides and acaricides)

IT 197710-65-9P 197710-66-0P 197710-67-1P

197710-68-2P 197710-69-3P 197710-70-6P

197710-71-7P 197710-72-8P 197710-73-9P

197710-74-0P 197710-75-1P 197710-76-2P

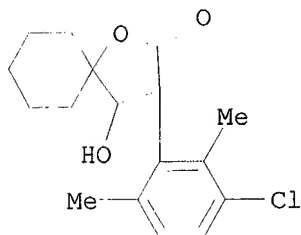
197710-77-3P

(preparation of arylheterocyclic keto enols as insecticides and acaricides)

IT 197710-62-6P

(preparation of arylheterocyclic keto enols as insecticides and acaricides)

RN 197710-62-6 USPATFULL
 CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(3-chloro-2,6-dimethylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



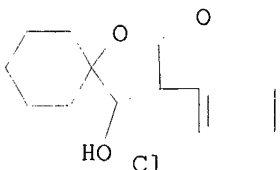
L90 ANSWER 30 OF 43 USPATFULL on STN
 AN 2000:117755 USPATFULL
 TI 2-and 2,5-substituted phenylketoenols
 IN Lieb, Folker, Leverkusen, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of
 Graff, Alan, Koln, Germany, Federal Republic of
 Schneider, Udo, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 Turberg, Andreas, Erkrath, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 6114374 20000905
 WO 9805638 19980212 <--
 AI US 1999-230653 19990128 (9)
 WO 1997-EP3973 19970723
 19990128 PCT 371 date
 19990128 PCT 102(e) date
 PRAI DE 1996-19631586 19960805 <--
 DE 1997-19716591 19970421 <--
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Lambkin, Deborah C.
 LREP Gil, Joseph C.
 CLMN Number of Claims: 13
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 3572
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1## in which Het represents one of the
 groups ##STR2## in which A, B, D, G, X and Z are each as defined in the
 description, to a plurality of processes and intermediates for their
 preparation, and to their use as pesticides.
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 203313-73-9P 203313-74-0P 203313-75-1P
 203313-76-2P 203313-77-3P 203313-78-4P
 203313-79-5P 203313-80-8P 203313-81-9P
 203313-82-0P 203313-83-1P 203313-84-2P
 203313-85-3P 203313-86-4P 203313-87-5P
 203313-88-6P 203313-89-7P
 (preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

IT 203313-73-9P

(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

RN 203313-73-9 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-chlorophenyl)-4-hydroxy- (9CI) (CA INDEX NAME)



L90 ANSWER 31 OF 43 USPATFULL on STN

AN 2000:113899 USPATFULL

TI 2,4,5-trisubstituted phenylketo-enols for use as pesticides and herbicides

IN Lieb, Folker, Leverkusen, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Widdig, Arno, Odenthal, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
 Dollinger, Markus, Leverkusen, Germany, Federal Republic of
 Graff, Alan, Koln, Germany, Federal Republic of
 Mencke, Norbert, Leverkusen, Germany, Federal Republic of
 Turberg, Andreas, Erkrath, Germany, Federal Republic of
 Dahmen, Peter, Neuss, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)

PI US 6110872 20000829

WO 9701535 19970116

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AI US 1997-983028 19971222 (8)

WO 1996-EP2606 19960617

19971222 PCT 371 date

19971222 PCT 102(e) date

PRAI DE 1995-19523471 19950628

<--

DE 1996-19602524 19960125

<--

DT Utility

FS Granted

EXNAM Primary Examiner: Ford, John M.; Assistant Examiner: Kifle, Bruck

LREP Norris, McLaughlin & Marcus, P.A.

CLMN Number of Claims: 6

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3765

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to new phenyl-substituted cyclic ketoenols of the
formula (I) in which

Het represents one of the groups ##STR1## wherein A, B, D, G, X, Y and Z
 have the meaning given in the description, several processes and
 intermediate products for their preparation and their use as pest
 control agents and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186647-66-5P 186647-67-6P 186647-68-7P

186647-69-8P 186647-70-1P 186647-71-2P
 186647-72-3P 186647-73-4P 186647-74-5P
 186647-75-6P 186647-76-7P 186647-77-8P
 186647-78-9P 186647-79-0P 186647-80-3P
 186647-81-4P 186647-82-5P 186647-83-6P
 186647-85-8P 186647-86-9P 186647-88-1P
 186647-90-5P 186647-92-7P 186647-94-9P
 186647-96-1P 186647-97-2P 186647-98-3P

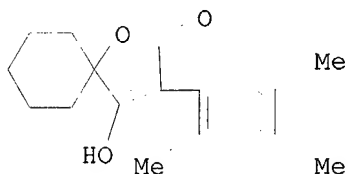
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as herbicides and pesticides)

IT 186647-66-5P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as herbicides and pesticides)

RN 186647-66-5 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,5-trimethylphenyl)- (9CI)
 (CA INDEX NAME)



L90 ANSWER 32 OF 43 USPATFULL on STN

AN 2000:47380 USPATFULL

TI 3-aryl-tetronic acid derivatives

IN Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Beck, Gunther, Leverkusen, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 Mencke, Norbert, Leverkusen, Germany, Federal Republic of
 Turberg, Andreas, Erkrath, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)

PI US 6051723 20000418

AI US 1998-133522 19980813 (9)

RLI Division of Ser. No. US 860106

PRAI DE 1994-4446335 19941223

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DE 1995-19540736 19951102

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DT Utility

FS Granted

EXNAM Primary Examiner: Dentz, Bernard

LREP Norris, McLaughlin & Marcus, P.A.

CLMN Number of Claims: 2

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1877

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new 3-aryl-4-hydroxy- Δ .sup.3
 -dihydrofuranone derivatives of the formula (I) ##STR1## in
 which A and B together with the carbon atom to which they are
 bonded form an unsubstituted or substituted 5- to 7-membered ring which
 is interrupted by at least one hetero atom,

X represents alkyl, halogen or alkoxy,

Y represents hydrogen, alkyl, halogen, alkoxy or halogenoalkyl,

Z represents alkyl, halogen or alkoxy,

n represents a number 0, 1, 2 or 3,

G represents hydrogen (a) or one of the groups ##STR2## E represents a metal ion equivalent or an ammonium ion, L represents oxygen or sulphur,

M represents oxygen or sulphur and

R.sup.1, R.sup.2, R.sup.3, R.sup.4, R.sup.5, R.sup.6 and R.sup.7 have the meanings given in the description, to processes for their preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 179635-07-5P 179635-08-6P 179635-09-7P
 179635-10-0P 179635-11-1P 179635-12-2P
 179635-13-3P 179635-14-4P 179635-15-5P
 179635-16-6P 179635-17-7P 179635-18-8P
 179635-19-9P 179635-20-2P 179635-21-3P
 179635-22-4P 179635-23-5P 179635-24-6P
 179635-25-7P 179635-26-8P 179635-27-9P
 179635-28-0P 179635-29-1P 179635-30-4P
 179635-31-5P 179635-32-6P 179635-33-7P
 179635-34-8P 179635-35-9P 179635-36-0P
 179635-37-1P 179635-38-2P 179635-39-3P
 179635-40-6P 179635-41-7P 179635-42-8P
 179635-43-9P 179635-44-0P 179635-45-1P
 179635-46-2P 179635-47-3P 179635-48-4P
 179635-49-5P 179635-50-8P 179635-51-9P
 179635-52-0P 179635-53-1P

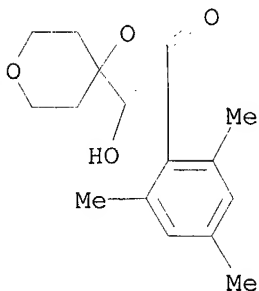
(preparation of alkanoyloxyfuranones as pesticides)

IT 179635-07-5P

(preparation of alkanoyloxyfuranones as pesticides)

RN 179635-07-5 USPATFULL

CN 1,8-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
 (9CI) (CA INDEX NAME)



L90 ANSWER 33 OF 43 USPATFULL on STN

AN 1999:155657 USPATFULL

TI Dialkyl phenyl halide-substituted keto-enols for use as herbicides and pesticides

IN Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Lieb, Folker, Leverkusen, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of

Widdig, Arno, Odenthal, Germany, Federal Republic of
 Dahmen, Peter, Neuss, Germany, Federal Republic of
 Dollinger, Markus, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Graff, Alan, Koln, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 5994274 19991130
 WO 9702243 19970123 <--
 AI US 1997-981610 19971223 (8)
 WO 1996-EP2601 19960617
 19971223 PCT 371 date
 19971223 PCT 102(e) date
 PRAI DE 1995-19523850 19950630 <--
 DE 1996-19503332 19960131 <--
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Raymond, Richard L.
 LREP Sprung Kramer Schaefer & Briscoe
 CLMN Number of Claims: 9
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 4674

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
 (I) ##STR1## in which X represents alkyl,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that one of the radicals Y and Z always represents
 halogen and the other alkyl,

Het represents one of the groups ##STR2## in which A, B, D and G have
 the meanings given in the description,

a plurality of processes for their preparation and their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

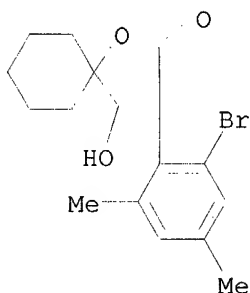
IT 186747-50-2P 186747-51-3P 186747-52-4P
 186747-53-5P 186747-54-6P 186747-55-7P
 186747-56-8P 186747-57-9P 186747-58-0P
 186747-59-1P 186747-60-4P 186747-61-5P
 186747-62-6P 186747-63-7P 186747-64-8P
 186747-65-9P 186747-66-0P 186747-68-2P
 186747-69-3P 186747-70-6P 186747-72-8P
 186747-74-0P 186747-76-2P 186747-78-4P
 186747-80-8P 186747-82-0P 186747-84-2P
 186747-85-3P 186747-87-5P 186747-88-6P
 186747-89-7P 186747-90-0P 186747-91-1P
 186747-92-2P 186747-93-3P 186747-94-4P
 186747-95-5P 186747-96-6P 186747-97-7P
 186747-98-8P 186747-99-9P 186748-00-5P
 186748-01-6P 186748-02-7P 186748-03-8P
 186748-04-9P 186748-05-0P 186748-06-1P
 186748-07-2P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and
 herbicides)

IT 186747-50-2P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides)

RN 186747-50-2 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-bromo-4,6-dimethylphenyl)-4-hydroxy-
(9CI) (CA INDEX NAME)

L90 ANSWER 34 OF 43 USPATFULL on STN

AN 1998:134974 USPATFULL

TI 3-aryl-tetronic acid derivatives, the production thereof and the use thereof as antiparasitic agents

IN Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Beck, Gunther, Leverkusen, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of
 Mencke, Norbert, Leverkusen, Germany, Federal Republic of
 Turberg, Andreas, Erkrath, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)

PI US 5830825 19981103 <--

WO 9620196 19960704 <--

AI US 1997-860106 19970617 (8)

WO 1995-EP4869 19951211

19970617 PCT 371 date

19970617 PCT 102(e) date

PRAI DE 1994-4446335 19941223 <--

DE 1995-19540736 19951102 <--

DT Utility

FS Granted

EXNAM Primary Examiner: Dentz, Bernard

LREP Sprung Kramer Schaefer & Briscoe

CLMN Number of Claims: 8

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2162

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new 3-aryl-4-hydroxy- Δ .sup.3
 -dihydrofuranone derivatives of the formula (I) ##STR1## in
 which A and B together with the carbon atom to which they are
 bonded form an unsubstituted or substituted 5- to 7-membered ring which
 is interrupted by at least one hetero atom,

X represents alkyl, halogen or alkoxy,

Y represents hydrogen, alkyl, halogen, alkoxy or halogenoalkyl,

Z represents alkyl, halogen or alkoxy,

n represents a number 0, 1, 2 or 3,

G represents hydrogen (a) or one of the groups ##STR2## E represents a metal Ion equivalent or an ammonium ion, L represents oxygen or sulphur,

M represents oxygen or sulphur and

R.sup.1, R.sup.2, R.sup.3, R.sup.4, R.sup.5, R.sup.6 and R.sup.7 have the meanings given in the description, to processes for their preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 179635-07-5P 179635-08-6P 179635-09-7P
 179635-10-0P 179635-11-1P 179635-12-2P
 179635-13-3P 179635-14-4P 179635-15-5P
 179635-16-6P 179635-17-7P 179635-18-8P
 179635-19-9P 179635-20-2P 179635-21-3P
 179635-22-4P 179635-23-5P 179635-24-6P
 179635-25-7P 179635-26-8P 179635-27-9P
 179635-28-0P 179635-29-1P 179635-30-4P
 179635-31-5P 179635-32-6P 179635-33-7P
 179635-34-8P 179635-35-9P 179635-36-0P
 179635-37-1P 179635-38-2P 179635-39-3P
 179635-40-6P 179635-41-7P 179635-42-8P
 179635-43-9P 179635-44-0P 179635-45-1P
 179635-46-2P 179635-47-3P 179635-48-4P
 179635-49-5P 179635-50-8P 179635-51-9P
 179635-52-0P 179635-53-1P

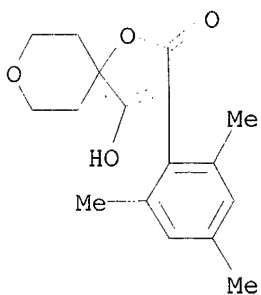
(preparation of alkanoyloxyfuranones as pesticides)

IT 179635-07-5P

(preparation of alkanoyloxyfuranones as pesticides)

RN 179635-07-5 USPATFULL

CN 1,8-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
 (9CI) (CA INDEX NAME)



L90 ANSWER 35 OF 43 USPATFULL on STN

AN 1998:17468 USPATFULL

TI 3-aryl-4-hydroxy-Δ.sup.3 -dihydrofuranone derivatives

IN Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of
 Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
 Dollinger, Markus, Leverkusen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Monheim, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of

(non-U.S. corporation)
 PI US 5719310 19980217 <--
 AI US 1996-740974 19961105 (8)
 RLI Division of Ser. No. US 1994-303987, filed on 9 Sep 1994, now patented,
 Pat. No. US 5610122
 PRAI DE 1993-4331672 19930917 <--
 DE 1993-4337853 19931105 <--
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Owens, Amelia Averill
 LREP Sprung Kramer Schaefer & Briscoe
 CLMN Number of Claims: 5
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 3182

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a new 3-aryl-4-hydroxy- Δ .sup.3
 -dihydrofuranone derivatives of the general formula (I)
 ##STR1## in which the radicals A, B, G, X, Y, Z and n have the meaning
 given in the description, to a plurality of processes for their
 preparation, and to their use as pesticides.

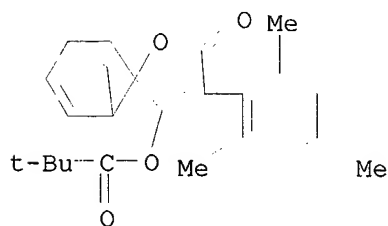
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 148477-69-4P 164153-44-0P 164153-45-1P
 164153-46-2P 164153-47-3P 164153-48-4P
 164153-49-5P 164153-50-8P 164153-51-9P
 164153-52-0P 164153-53-1P 164153-54-2P
 164153-55-3P 164153-56-4P 164153-57-5P
 164153-58-6P 164153-59-7P 164153-60-0P
 164153-61-1P 164153-62-2P 164153-63-3P
 164153-64-4P 164153-65-5P 164153-66-6P
 164153-67-7P 164153-68-8P 164153-69-9P
 164153-70-2P 164153-71-3P 164153-72-4P
 164153-73-5P 164153-74-6P 164153-75-7P
 164153-80-4P 164153-81-5P 164153-82-6P
 164153-83-7P 164153-84-8P 164153-85-9P
 164153-86-0P 164153-87-1P 164153-88-2P
 164153-89-3P 164153-90-6P 164153-91-7P
 164153-92-8P 164153-93-9P 164153-94-0P
 164153-95-1P 164153-96-2P 164153-97-3P
 164153-98-4P 164153-99-5P 164154-00-1P
 164154-01-2P 164154-02-3P 164154-03-4P
 164154-04-5P 164154-05-6P 164154-06-7P
 164154-07-8P 164154-08-9P 164154-09-0P
 164154-10-3P
 (preparation of 3-aryl-4-hydroxy- Δ 3-dihydrofuranones as pesticides)

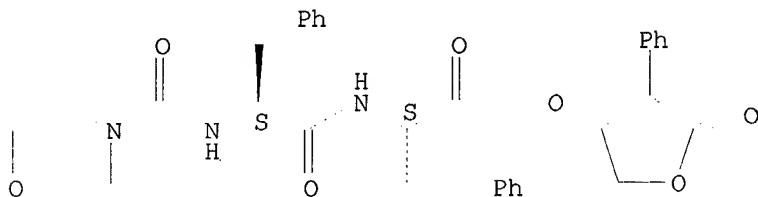
IT 148477-69-4P
 (preparation of 3-aryl-4-hydroxy- Δ 3-dihydrofuranones as pesticides)

RN 148477-69-4 USPATFULL

CN Propanoic acid, 2,2-dimethyl-, 5'-oxo-4'-(2,4,6-
 trimethylphenyl)spiro[bicyclo[2.2.1]hept-5-ene-2,2' (5'H)-furan]-3'-yl
 ester (9CI) (CA INDEX NAME)



L90 ANSWER 36 OF 43 USPATFULL on STN
 AN 1998:12025 USPATFULL
 TI α -(1,3-dicarbonylenol ether) methyl ketones as cysteine protease inhibitors
 IN Zimmerman, Mary P., Pleasonton, CA, United States
 Smith, Robert E., Livermore, CA, United States
 Becker, Mark, Walnut Creek, CA, United States
 PA Prototek, Inc., Dublin, CA, United States (U.S. corporation)
 PI US 5714484 19980203 <--
 AI US 1995-481808 19950607 (8)
 RLI Continuation-in-part of Ser. No. US 1993-164031, filed on 8 Dec 1993, now patented, Pat. No. US 5486623
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Shah, Mukuno J.; Assistant Examiner: Ngo, Tamthom T.
 LREP Woodard, Emhardt, Naughton, Moriarty & McNett
 CLMN Number of Claims: 3
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1647
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Cysteine protease inhibitors which deactivate the protease by covalently bonding to the cysteine protease and releasing the enolate of a 1,3-dicarbonyl (or its enolic form). The cysteine protease inhibitors of the present invention accordingly comprise a first portion which targets a desired cysteine protease and positions the inhibitor near the thiolate anion portion of the active site of the protease, and a second portion which covalently bonds to the cysteine protease and irreversibly deactivates that protease by providing a carbonyl or carbonyl-equivalent which is attacked by the thiolate anion of the active site of the cysteine protease to sequentially cleave a β -dicarbonyl enol ether leaving group.
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 186293-94-7P 186293-95-8P 186293-96-9P
 (preparation of peptidyl α -(1,3-dicarbonyl enol ether) Me ketones as cysteine protease inhibitors)
 IT 186293-94-7P
 (preparation of peptidyl α -(1,3-dicarbonyl enol ether) Me ketones as cysteine protease inhibitors)
 RN 186293-94-7 USPATFULL
 CN 4-Morpholinecarboxamide, N-[2-[[3-[(2,5-dihydro-5-oxo-4-phenyl-3-furanyl)oxy]-2-oxo-1-(2-phenylethyl)propyl]amino]-2-oxo-1-(phenylmethyl)ethyl]-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



L90 ANSWER 37 OF 43 USPATFULL on STN
 AN 97:101721 USPATFULL
 TI Substituted aryl keto-enolic heterocycles

IN Bachmann, Jurgen, Weinheim an der Bergstrasse, Germany, Federal Republic of
 of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of
 Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
 Dollinger, Markus, Leverkusen, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 5683965 19971104 <--
 WO 9501971 19950119 <--
 AI US 1996-569194 19960513 (8)
 WO 1994-EP2042 19940622
 19960513 PCT 371 date
 19960513 PCT 102(e) date
 PRAI DE 1993-4322273 19930705 <--
 DE 1994-4413669 19940420 <--
 DT Utility
 FS Granted
 EXNAM Primary Examiner: McKane, Joseph; Assistant Examiner: Myers, Jr.,
 Richard S.
 LREP Sprung Kramer Schaefer & Briscoe
 CLMN Number of Claims: 13
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1333

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The aryl-keto-enolic heterocycles according to the invention have the
formula (I), in which Het stands for a heterocyclic group from
 the series (a), (b) or (c), and X, Y, Z, n, A, B, E, L and M have the
 meanings given in the description. The compounds having the
formula (I) are pesticides, in particular acaricides,
 insecticides, fungicides and herbicides. Also disclosed is their
 preparation. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 148476-10-2

(O-alkylation of; preparation of substituted aryl keto-enol heterocycles as
 pesticides)

IT 161800-24-4P 161800-25-5P 161800-26-6P
 161800-27-7P 161800-28-8P 161800-29-9P
 161800-30-2P 161800-31-3P 161800-32-4P
 161800-33-5P 161800-34-6P 161800-35-7P
 161800-36-8P 161800-37-9P 161800-38-0P
 161800-39-1P 161800-40-4P 161800-41-5P
 161800-42-6P 161800-43-7P 161800-44-8P
 161800-45-9P 161800-46-0P 161800-47-1P
 161800-48-2P 161800-49-3P 161800-50-6P
 161800-51-7P 161800-52-8P 161800-53-9P
 161800-54-0P 161800-55-1P

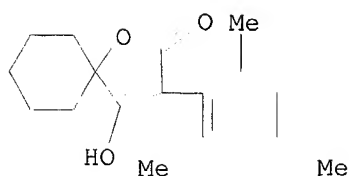
(preparation of substituted aryl keto-enol heterocycles as pesticides)

IT 148476-10-2

(O-alkylation of; preparation of substituted aryl keto-enol heterocycles as
 pesticides)

RN 148476-10-2 USPATFULL

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)- (9CI)
 (CA INDEX NAME)



L90 ANSWER 38 OF 43 USPATFULL on STN

AN 97:20492 USPATFULL

TI 3-aryl-4-hydroxy-delta3-dihydrofuranone derivatives

IN Fischer, Reiner, Monheim, Germany, Federal Republic of
Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
Kr uger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of
Santel, Hans-Joachim, Leverkusen, Germany, Federal Republic of
Dollinger, Markus, Leverkusen, Germany, Federal Republic of
Wachendorff-Neumann, Ulrike, Monheim, Germany, Federal Republic of
Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)

PI US 5610122 19970311 <--

AI US 1994-303987 19940909 (8)

PRAI DE 1993-4331672 19930917 <--

DE 1993-4337853 19931105 <--

DT Utility

FS Granted

EXNAM Primary Examiner: Owens, Amelia A.

LREP Sprung Horn Kramer & Woods

CLMN Number of Claims: 14

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3479

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a new 3-aryl-4-hydroxy- Δ .sup.3
-dihydrofuranone derivatives of the general formula (I)
##STR1## in which the radicals A, B, G, X, Y, Z and n have the meaning
given in the description, to a plurality of processes for their
preparation, and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 148477-69-4P 164153-44-0P 164153-45-1P
164153-46-2P 164153-47-3P 164153-48-4P
164153-49-5P 164153-50-8P 164153-51-9P
164153-52-0P 164153-53-1P 164153-54-2P
164153-55-3P 164153-56-4P 164153-57-5P
164153-58-6P 164153-59-7P 164153-60-0P
164153-61-1P 164153-62-2P 164153-63-3P
164153-64-4P 164153-65-5P 164153-66-6P
164153-67-7P 164153-68-8P 164153-69-9P
164153-70-2P 164153-71-3P 164153-72-4P
164153-73-5P 164153-74-6P 164153-75-7P
164153-80-4P 164153-81-5P 164153-82-6P
164153-83-7P 164153-84-8P 164153-85-9P
164153-86-0P 164153-87-1P 164153-88-2P
164153-89-3P 164153-90-6P 164153-91-7P
164153-92-8P 164153-93-9P 164153-94-0P
164153-95-1P 164153-96-2P 164153-97-3P
164153-98-4P 164153-99-5P 164154-00-1P
164154-01-2P 164154-02-3P 164154-03-4P
164154-04-5P 164154-05-6P 164154-06-7P

164154-07-8P 164154-08-9P 164154-09-0P

164154-10-3P

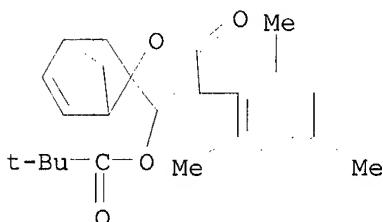
(preparation of 3-aryl-4-hydroxy-Δ³-dihydrofuranones as pesticides)

IT 148477-69-4P

(preparation of 3-aryl-4-hydroxy-Δ³-dihydrofuranones as pesticides)

RN 148477-69-4 USPATFULL

CN Propanoic acid, 2,2-dimethyl-, 5'-oxo-4'-(2,4,6-trimethylphenyl)spiro[bicyclo[2.2.1]hept-5-ene-2,2' (5'H)-furan]-3'-yl ester (9CI) (CA INDEX NAME)



L90 ANSWER 39 OF 43 USPAT2 on STN

AN 2002:288164 USPAT2

TI Methods of making substituted phenylketoenols

IN Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, United States
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

PI US 6630594 B2 20031007

AI US 2002-59094 20020128 (10)

RLI Division of Ser. No. US 2001-895649, filed on 29 Jun 2001, now patented,
 Pat. No. US 6391912 Division of Ser. No. US 1999-319489, filed on 4 Jun
 1999, now patented, Pat. No. US 6288102

PRAI DE 1996-19651686 19961212

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DT Utility

FS GRANTED

EXNAM Primary Examiner: McKane, Joseph K.; Assistant Examiner: Wright, Sonya

LREP Henderson, Richard E. L., Mrozinski, Jr., John E.

CLMN Number of Claims: 3

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 2416

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides methods of making substituted
 phenylketoenols of the general formula I, ##STR1##

wherein V, W, X, Y, Z and Het are as defined herein. The compounds have
 pesticidal and herbicidal activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 209111-40-0P 209111-41-1P 209111-42-2P
 209111-43-3P 209111-44-4P 209111-45-5P
 209111-46-6P 209111-47-7P 209111-48-8P
 209111-49-9P 209111-50-2P 209111-51-3P
 209111-52-4P 209111-53-5P 209111-54-6P

209111-55-7P 209111-56-8P 209111-57-9P
 209111-58-0P 209111-59-1P 209111-60-4P
 209111-61-5P 209111-62-6P

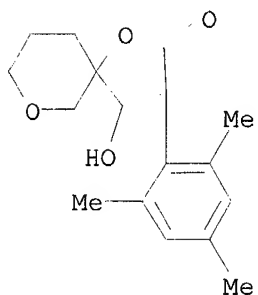
(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs.
 and analogs as herbicides and pesticides)

IT 209111-40-0P

(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs.
 and analogs as herbicides and pesticides)

RN 209111-40-0 USPAT2

CN 1,7-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
 (9CI) (CA INDEX NAME)



L90 ANSWER 40 OF 43 USPAT2 on STN

AN 2002:116298 USPAT2

TI Novel substituted phenylketoenols

IN Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Overland Park, KS, UNITED STATES
 Graff, Alan, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

PI US 2002072617 A1 20020613

AI US 2001-895649 A1 20010629 (9)

RLI Division of Ser. No. US 1999-319489, filed on 4 Jun 1999, GRANTED, Pat.
 No. US 6288102

PRAI DE 1996-19651686 19961212 <--

DT Utility

FS APPLICATION

LREP BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA,
 15205

CLMN Number of Claims: 19

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2705

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the formula (I) ##STR1##

in which

Het represents one of the groups ##STR2##

and G, V, W, X, Y and Z are each as defined in the description, to
 processes and intermediates for their preparation and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

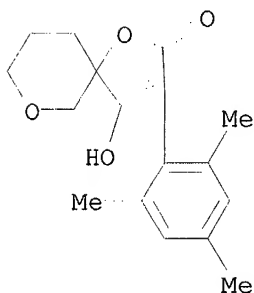
IT 209111-40-0P 209111-41-1P 209111-42-2P
 209111-43-3P 209111-44-4P 209111-45-5P
 209111-46-6P 209111-47-7P 209111-48-8P
 209111-49-9P 209111-50-2P 209111-51-3P
 209111-52-4P 209111-53-5P 209111-54-6P
 209111-55-7P 209111-56-8P 209111-57-9P
 209111-58-0P 209111-59-1P 209111-60-4P
 209111-61-5P 209111-62-6P

(preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs.
 and analogs as herbicides and pesticides)

IT 209111-40-0P
 (preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs.
 and analogs as herbicides and pesticides)

RN 209111-40-0 USPAT2

CN 1,7-Dioxaspiro[4.5]dec-3-en-2-one, 4-hydroxy-3-(2,4,6-trimethylphenyl)-
 (9CI) (CA INDEX NAME)



L90 ANSWER 41 OF 43 USPAT2 on STN

AN 2002:37855 USPAT2

TI Dialkyl phenyl halide-substituted keto-enols for use as herbicides and pesticides

IN Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Widdig, Arno, Odenthal, GERMANY, FEDERAL REPUBLIC OF
 Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF
 Dollinger, Markus, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Santel, Hans-Joachim, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

PI US 6469196 B2 20021022

AI US 2001-839481 20010420 (9)

RLI Division of Ser. No. US 1999-360510, filed on 26 Jul 1999, now patented,
 Pat. No. US 6251830 Division of Ser. No. US 981610, now patented, Pat.
 No. US 5994274

PRAI DE 1995-19523850 19950630 <--

DE 1996-19603332 19960131 <--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Raymond, Richard L.

LREP Norris McLaughlin & Marcus
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3518

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new compounds of the formula
(I) ##STR1##

in which

X represents alkyl,

Y represents halogen or alkyl and

Z represents halogen or alkyl,

with the proviso that one of the radicals Y and Z always represents
halogen and the other alkyl,

Het represents one of the groups ##STR2##

in which

A, B, D and G have the meanings given in the description,

a plurality of processes for their preparation and their use as
pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 186747-50-2P 186747-51-3P 186747-52-4P
186747-53-5P 186747-54-6P 186747-55-7P
186747-56-8P 186747-57-9P 186747-58-0P
186747-59-1P 186747-60-4P 186747-61-5P
186747-62-6P 186747-63-7P 186747-64-8P
186747-65-9P 186747-66-0P 186747-68-2P
186747-69-3P 186747-70-6P 186747-72-8P
186747-74-0P 186747-76-2P 186747-78-4P
186747-80-8P 186747-82-0P 186747-84-2P
186747-85-3P 186747-87-5P 186747-88-6P
186747-89-7P 186747-90-0P 186747-91-1P
186747-92-2P 186747-93-3P 186747-94-4P
186747-95-5P 186747-96-6P 186747-97-7P
186747-98-8P 186747-99-9P 186748-00-5P
186748-01-6P 186748-02-7P 186748-03-8P
186748-04-9P 186748-05-0P 186748-06-1P
186748-07-2P

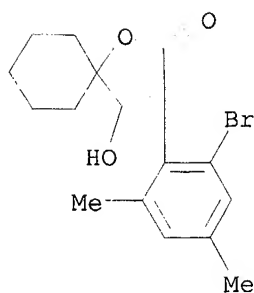
(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and
herbicides)

IT 186747-50-2P

(preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and
herbicides)

RN 186747-50-2 USPAT2

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-bromo-4,6-dimethylphenyl)-4-hydroxy-
(9CI) (CA INDEX NAME)



L90 ANSWER 42 OF 43 USPAT2 on STN
 AN 2002:17324 USPAT2
 TI 2- and 2,5-substituted phenylketoenols
 IN Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Fischer, Reiner, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL REPUBLIC OF
 Ruther, Michael, Monheim, GERMANY, FEDERAL REPUBLIC OF
 Graff, Alan, Koln, GERMANY, FEDERAL REPUBLIC OF
 Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL REPUBLIC OF
 Andersch, Wolfram, Bergisch Gladbach, GERMANY, FEDERAL REPUBLIC OF
 Turberg, Andreas, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)
 PI US 6359151 B2 20020319
 AI US 2001-809619 20010315 (9)
 RLI Division of Ser. No. US 2000-548129, filed on 12 Apr 2000, now patented,
 Pat. No. US 6255342 Division of Ser. No. US 230653, now patented, Pat.
 No. US 6114374
 PRAI DE 1996-19631586 19960805 <--
 DE 1997-19716591 19970421 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Lambkin, Deborah C.
 LREP Gil, Joseph C.
 CLMN Number of Claims: 2
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 2951
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to novel phenyl-substituted cyclic ketoenols of
 the **formula** (I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which A, B, D, G, X and Z are each as defined in the description,

to a plurality of processes and intermediates for their preparation, and
 to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 203313-73-9P 203313-74-0P 203313-75-1P
 203313-76-2P 203313-77-3P 203313-78-4P
 203313-79-5P 203313-80-8P 203313-81-9P
 203313-82-0P 203313-83-1P 203313-84-2P
 203313-85-3P 203313-86-4P 203313-87-5P

203313-88-6P 203313-89-7P

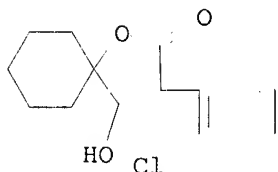
(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

IT 203313-73-9P

(preparation of phenyl-substituted heterocyclic ketoenols as pesticides)

RN 203313-73-9 USPAT2

CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(2-chlorophenyl)-4-hydroxy- (9CI) (CA INDEX NAME)



L90 ANSWER 43 OF 43 USPAT2 on STN

AN 2001:95457 USPAT2

TI Substituted phenyl keto enols as pesticides and herbicides

IN Lieb, Volker, Leverkusen, Germany, Federal Republic of
 Hagemann, Hermann, Leverkusen, Germany, Federal Republic of
 Widdig, Arno, Odenthal, Germany, Federal Republic of
 Ruther, Michael, Monheim, Germany, Federal Republic of
 Fischer, Reiner, Monheim, Germany, Federal Republic of
 Bretschneider, Thomas, Lohmar, Germany, Federal Republic of
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of
 Graff, Alan, Koln, Germany, Federal Republic of
 Schneider, Udo, Leverkusen, Germany, Federal Republic of
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 (non-U.S. corporation)

PI US 6271180 B2 20010807

AI US 2000-550105 20000414 (9)

RLI Division of Ser. No. US 155637

PRAI DE 1996-19613171 19960402 <--

DE 1996-19649665 19961129 <--

DT Utility

FS GRANTED

EXNAM Primary Examiner: Lambkin, Deborah C.

LREP Gil, Joseph C., Harmuth, Raymond J.

CLMN Number of Claims: 7

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3970

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compounds of the **formula**
 (I) ##STR1##

in which

Het represents one of the groups ##STR2##

in which

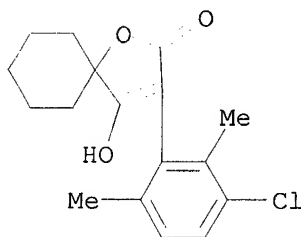
A, B, D, G, V, W, X, Y and Z are as defined in the description,
 processes and intermediates for their preparation, and to their use as
 pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 197710-62-6P 197710-64-8P

(preparation of arylheterocyclic keto enols as insecticides and acaricides)

IT 197710-65-9P 197710-66-0P 197710-67-1P
 197710-68-2P 197710-69-3P 197710-70-6P
 197710-71-7P 197710-72-8P 197710-73-9P
 197710-74-0P 197710-75-1P 197710-76-2P
 197710-77-3P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 IT 197710-62-6P
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 RN 197710-62-6 USPAT2
 CN 1-Oxaspiro[4.5]dec-3-en-2-one, 3-(3-chloro-2,6-dimethylphenyl)-4-hydroxy-
 (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 13:51:26 ON 17 DEC 2003)
 SET COST OFF

FILE 'REGISTRY' ENTERED AT 13:51:48 ON 17 DEC 2003
 E C20H22CL2O4/MF

L1 3 S E3 AND 46.150.18/RID AND OC4-C6/ES
 SEL RN
 L2 0 S E1-E3/CRN

FILE 'HCAOLD' ENTERED AT 13:53:06 ON 17 DEC 2003
 L3 0 S L1

FILE 'USPATFULL, USPAT2' ENTERED AT 13:53:07 ON 17 DEC 2003
 L4 0 S L1

FILE 'HCAPLUS' ENTERED AT 13:53:10 ON 17 DEC 2003
 L5 1 S L1
 L6 1 S (WO2000-EP9323 OR DE99-19948129)/AP,PRN
 E FISCHER R/AU
 L7 1150 S E3-E24
 E FISCHER REINER/AU
 L8 154 S E3
 E ERDELEN C/AU
 L9 303 S E3,E4,E7-E11
 E BAYER/PA,CS
 L10 43841 S E3,E4
 L11 2548 S BAYER?/PA,CS NOT L10
 L12 2 S L1,L6 AND L7-L11
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:55:50 ON 17 DEC 2003
 L13 307 S E1-E307
 L14 304 S L13 NOT L1
 L15 1 S L14 AND NC5/ES AND NCNC2/ES AND 2/NR
 L16 1 S L14 AND NCSC2/ES AND NCNCOC/ES AND 2/NR

L17 1 S L14 AND NCSC2/ES AND NC5/ES AND 2/NR
L18 1 S L14 AND NCSC2/ES AND NCNCNC/ES AND 2/NR
L19 2 S L14 AND NC5/ES AND 1/NR AND 4/N AND 1/CL
E C10H11CLN4/MF
L20 8 S E3 AND NC5/ES AND 1/NR
L21 7 S L20 AND 6 CHLORO
L22 6 S L21 AND 3 PYRIDINYL METHYL
L23 4 S L22 AND ETHANIMIDAMIDE
L24 3 S L23 NOT T/ELS
L25 2 S L24 NOT 162551-23-7
L26 1 S L14 AND OC4/ES AND 1/NR AND 4/N
L27 1 S L14 AND NCSC2/ES AND 1/NR AND 5/N AND 1/CL
L28 9 S L15-L19,L25-L27
SEL RN
L29 505 S E1-E9/CRN
L30 4 S L29 NOT MXS/CI
L31 1 S L30 NOT C3/ES
L32 10 S L28,L31

FILE 'HCAPLUS' ENTERED AT 14:05:23 ON 17 DEC 2003

L33 1592 S L32
L34 6273 S DINOTEFURAN OR MTI446 OR MTI 446 OR ACETAMIPRID# OR MOSPILAN#
L35 5372 S ADVANTAGE FLEA ADULTICIDE OR BAY NTN() (33893 OR 33 893) OR CO
L36 135 S AKD 1022 OR AKD1022 OR CGA322704 OR CGA() (322704 OR 322 704)
L37 45 S ADMIRE
L38 11747 S L33-L37
L39 0 S L5 AND L38
L40 1 S L6 AND L38

FILE 'REGISTRY' ENTERED AT 14:10:27 ON 17 DEC 2003

L41 1 S 148477-71-8
L42 1 S 332121-89-8
L43 1 S 332154-06-0
L44 STR
L45 50 S L44
L46 1484 S L44 FUL
SAV L46 LEVY089/A

FILE 'HCAPLUS' ENTERED AT 14:13:07 ON 17 DEC 2003

L47 403 S L46
L48 8 S L47 AND L38
L49 1 S L48 AND (PD<=19991007 OR PRD<=19991007 OR AD<=19991007)
L50 1 S L48 AND (PD<=20000925 OR PRD<=20000925 OR AD<=20000925)
L51 2 S L49,L50,L12
L52 7 S L48 NOT L51
L53 16 S SPIRODICLOFEN#
L54 20 S L41
L55 4 S L53,L54 AND L38
L56 1 S L55 AND ACETYLCHOLINE RECEPTOR
L57 2 S L51,L56 AND L5-L12,L33-L40,L47-L56
L58 259 S L7-L11 AND L5,L6,L38,L53,L54,L47
L59 6 S BAJ2740 OR BAJ 2740
L60 0 S L59 AND L38
L61 210 S L58 AND L38
L62 3 S L61 AND L47,L53,L54,L5
L63 4 S L57,L62
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 14:23:48 ON 17 DEC 2003

L64 297 S E10-E306
L65 3 S L64 AND L1
L66 8 S L64 AND L32
L67 2 S L32 NOT L66

L68 10 S L66,L67
L69 1 S L64 AND L41
L70 285 S L64 AND L46 NOT L65-L69
L71 282 S L70 AND 1/NC
L72 3 S L70 NOT L71
L73 2 S L72 AND MXS/CI

FILE 'HCAPLUS' ENTERED AT 14:26:47 ON 17 DEC 2003

L74 1 S L73
L75 4 S L63,L74

FILE 'REGISTRY' ENTERED AT 14:27:10 ON 17 DEC 2003

FILE 'HCAPLUS' ENTERED AT 14:28:41 ON 17 DEC 2003

FILE 'USPATFULL, USPAT2' ENTERED AT 14:30:11 ON 17 DEC 2003

L76 0 S L1
L77 93 S L46
L78 2 S L41
L79 0 S L42,L43
L80 9 S L53 OR L59
L81 102 S L76-L80
L82 260 S L32
L83 33351 S L34 OR L35 OR L36 OR L37
L84 54 S L81 AND L82,L83
L85 43 S L84 AND (PD<=19991007 OR PRD<=19991007)
L86 43 S L85 AND (SYNERG? OR MIX? OR BLEND? OR COMBIN? OR CONCURRENT?
L87 41 S L86 AND SYNERG?
L88 1 S L77 AND L82
L89 0 S L85 AND L82
L90 43 S L85-L87 NOT L88

FILE 'USPATFULL, USPAT2' ENTERED AT 14:37:58 ON 17 DEC 2003

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